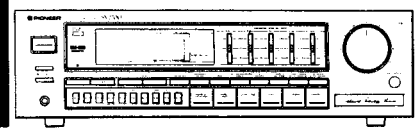
PIONEER®
The future of sound and vision.

Service Manual



ORDER NO.
ARP1893

STEREO RECEIVER

SX-2700

SX-2600
SX-1700

MODEL SX-2700, SX-2600 AND SX-1700 HAVE FOLLOWING VERSIONS:

Type	Applicable model			Power requirement	Export distination
	SX-2700	SX-2600	SX-1700		
KUC	O	O	O	AC120V only	U.S.A. and Canada
SD	O	—	O	AC110V, 120V–127V, 220V, 240V (switchable)	Kingdom of Saudi Arabia and general market

- **This manual is applicable to the SX-2700/KUC, SX-2600/KUC and SX-1700/KUC types.**
- **As to the other types,refer to applicable service manuals.**
- **Ce manuel pour le service comprend les explications de réglage en français.**
- **Este manual de servicio trata del método ajuste escrito en español.**

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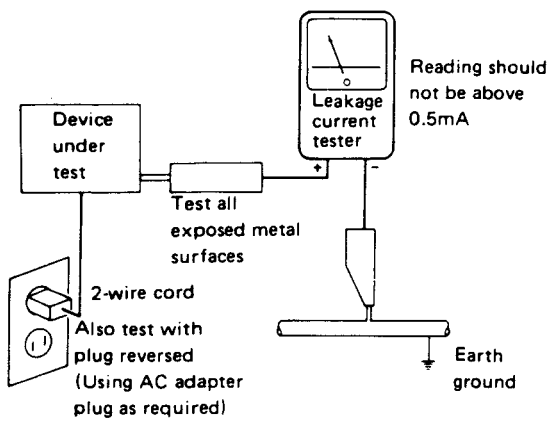
1. SAFETY INFORMATION

1. SAFETY PRECAUTIONS

The following check should be performed for the continued protection of the customer and service technician.

LEAKAGE CURRENT CHECK

Measure leakage current to a known earth ground (water pipe, conduit, etc.) by connecting a leakage current tester such as Simpson Model 229-2 or equivalent between the earth ground and all exposed metal parts of the appliance (input/output terminals, screwheads, metal overlays, control shaft, etc.). Plug the AC line cord of the appliance directly into a 120V AC 60Hz outlet and turn the AC power switch on. Any current measured must not exceed 0.5mA.


Reading should not be above 0.5mA
Leakage current tester
Device under test
Test all exposed metal surfaces
2-wire cord
Also test with plug reversed (Using AC adapter plug as required)
Earth ground

AC Leakage Test

ANY MEASUREMENTS NOT WITHIN THE LIMITS OUTLINED ABOVE ARE INDICATIVE OF A POTENTIAL SHOCK HAZARD AND MUST BE CORRECTED BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER.

2. PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in the appliance have special safety related characteristics. These are often not evident from visual inspection nor the protection afforded by them necessarily can be obtained by using replacement components rated for voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in this Service Manual.

Electrical components having such features are identified by marking with a ⚠ on the schematics and on the parts list in this Service Manual.

The use of a substitute replacement component which dose not have the same safety characteristics as the PIONEER recommended replacement one, shown in the parts list in this Service Manual, may create shock, fire, or other hazards.

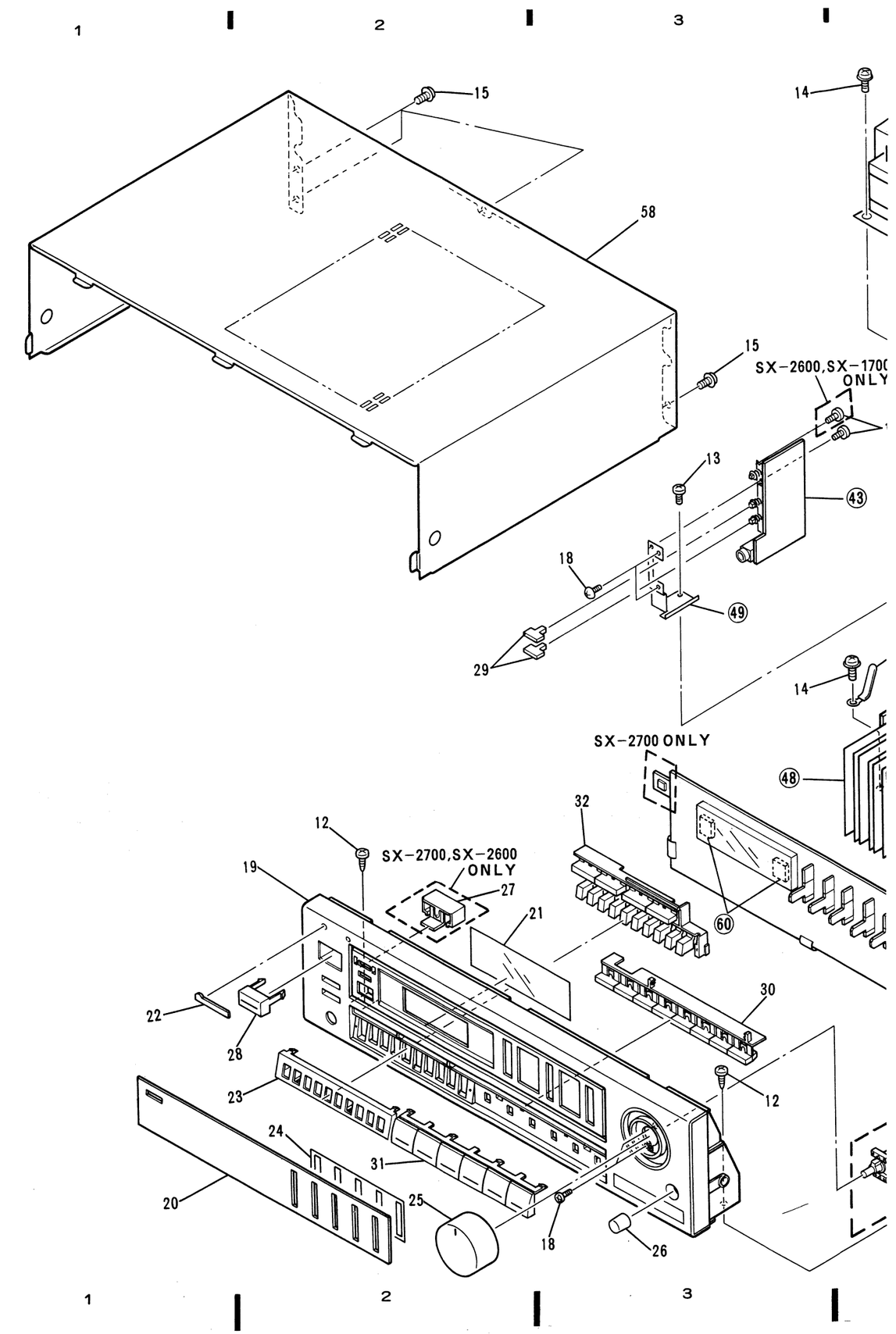
Product Safety is continuously under review and new instructions are issued from time to time. For the latest information, always consult the current PIONEER Service Manual. A subscription to, or additional copies of, PIONEER Service Manual may be obtained at a nominal charge from PIONEER.

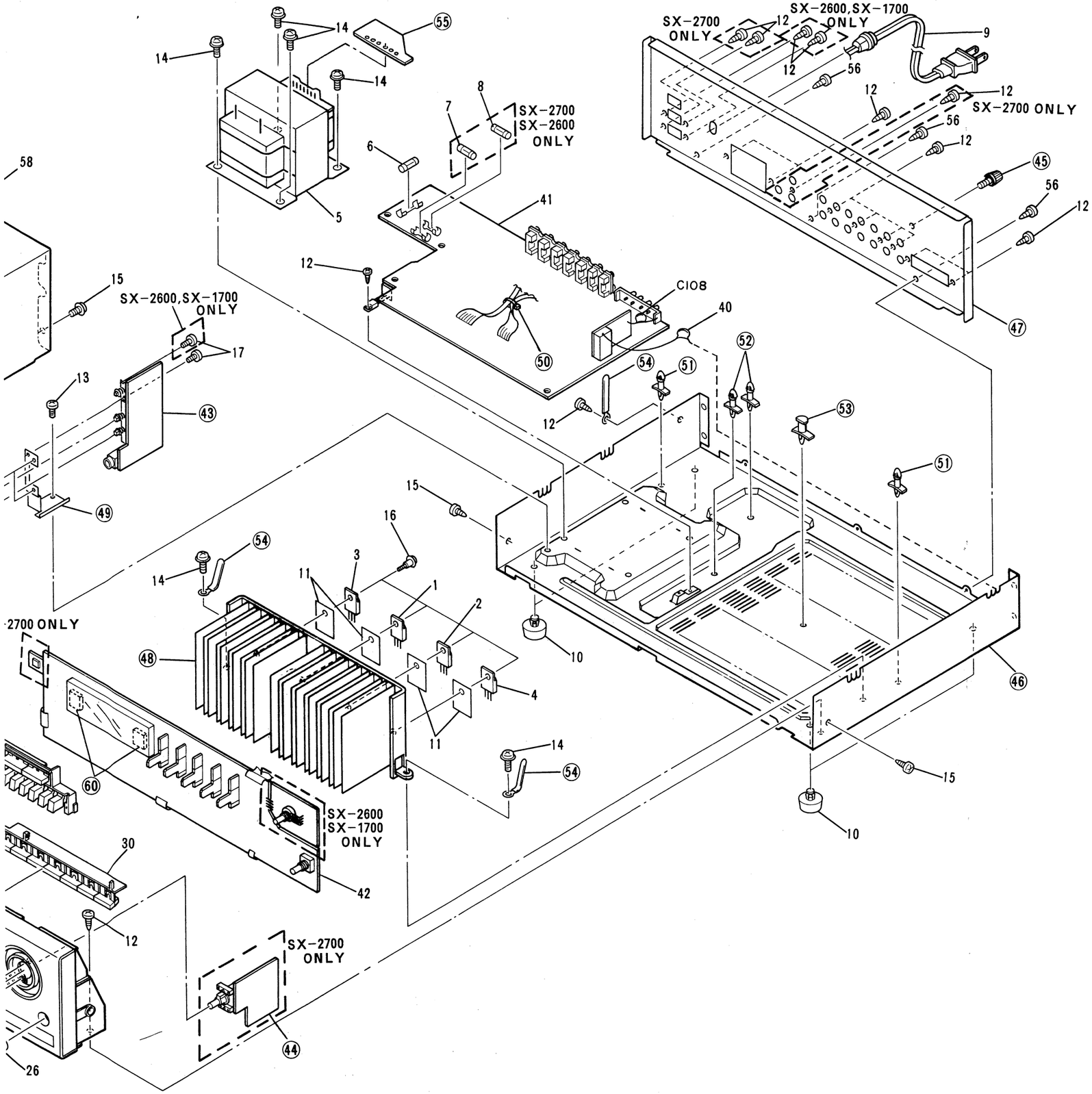
2. EXPLODED VIEWS AND PARTS LIST

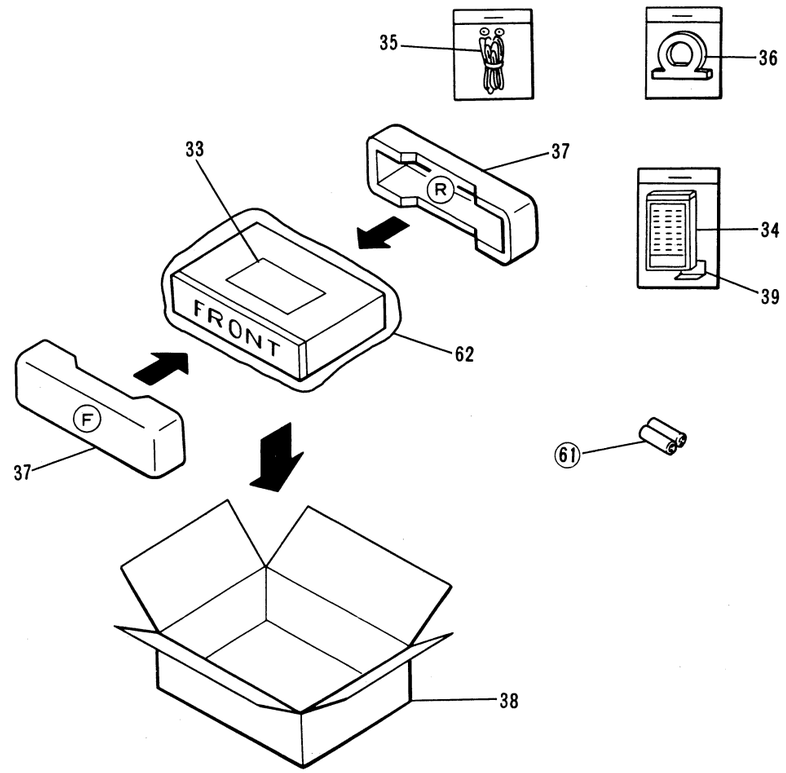
NOTES:

- *Parts without part number cannot be supplied.*
- *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
- *Parts marked by "◉" are not always kept in stock. Their delivery time may be longer than usual or they may be unavailable.*

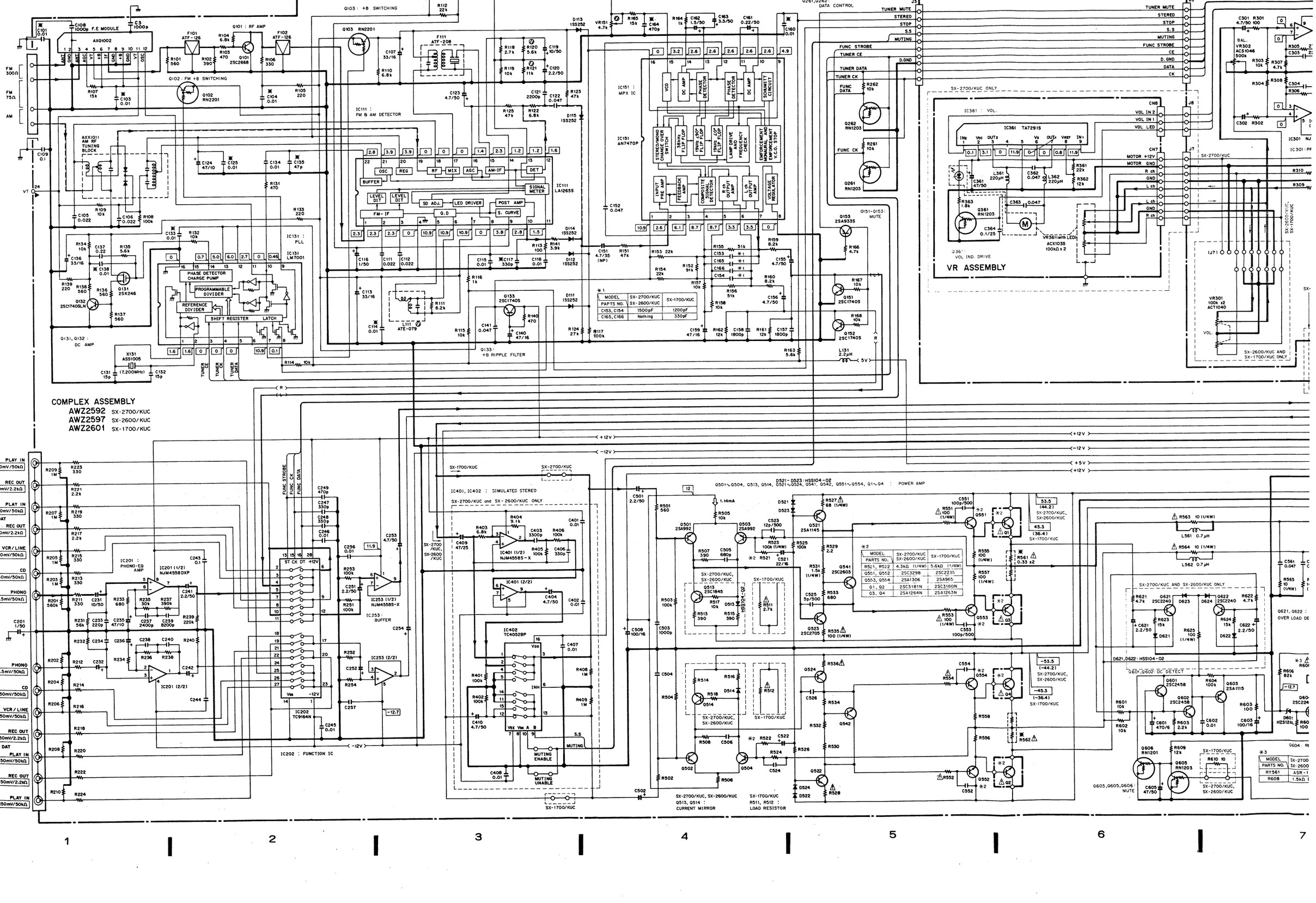
Mark	No.	Parts No.	Description
⚠	1	2SA1264N	TRANSISTOR Q 3
⚠	2	2SA1264N	TRANSISTOR Q 4
⚠	3	2SC3181N	TRANSISTOR Q 1
⚠	4	2SC3181N	TRANSISTOR Q 2
⚠	5	ATS1248	POWER TRANSFORMER T1
⚠	6	AEK-100	FUSE(4A)FU1
⚠	7	AEK-120	FUSE(1.25A)FU3
⚠	8	AEK-120	FUSE(1.25A)FU4
⚠	9	ADG1057	AC POWER CORD
	10	AEC-784	CABINET BUMPER
	11	AEE1014	SHEET
	12	ABA-298	SCREW
	13	ABA1009	SCREW (STEEL)
	14	ABA1021	SCREW
	15	BBZ30P080FZK	SCREW (STEEL)
	16	ABA1082	SCREW
	17	BPZ26P080FMC	SCREW
	18	VMZ30P060FCU	SCREW
	19	AMB1564	FRONT PANEL
	20	AAK1903	ACRYLIC PANEL
	21	AAK1833	PLATE
	22	AAM1029	NAME PLATE (METAL)
	23	AAP1111	STATION SASH
	24	AAP1112	EQUALIZER SASH
	25	AAB1119	MASTER VOL ASSY
	26	AAB1133	ROTARY KNOB
	27	AAD1660	S.S.PUSH KNOB
	28	AAD1661	KNOB (PLASTIC)
	29	AAD1662	KNOB(SPEAKER)
	30	AAD1663	FUNCTION KNOB(TUNER)
	31	AAD1664	FUNCTION KNOB
	32	AAD1665	STATION KNOB
	33	ARB1213	OPERATING INSTRUCTIONS
	34	AXD1126	REMOTE CONTROL UNIT
	35	ADH1004	FM ANTENNA
	36	ATB1005	LOOP ANTENNA
	37	AHA1015	STYROL PROTECTOR
	38	AHD1771	PACKING CASE
	39	PZN1001	BATTERY LID
	40	CKDYF102Z50	CERAMIC CAPACITOR C3
	41	AWZ2592	COMPLEX ASS'Y
	42	AWZ2593	CONTROL ASS'Y
	43		SP SWITCH ASS'Y
	44		VR ASS'Y
	45		TERMINAL SCREW
	46		CHASSIS
	47		REAR PANEL
	48		HEAT SINK
	49		BRACKET
	50		NYLON BINDER
	51		PCB SUPORT
	52		PCB SUPORT
	53		PCB SUPORT
	54		CLAMPER
	55		TRANS ASS'Y
	56	ABA1011	SCREW
	57	.....	.....
	58	ANE1215	BONNET CASE
	59	.....	.....
	60	AEB1120	FL SPACER
	61		"AAA" DRY CELL
	62	AHG1016	SHEET




SX-2700 ONLY
SX-2600,SX-1700 ONLY
SX-2700 ONLY
SX-2700 SX-2600 ONLY
SX-2600,SX-1700 ONLY
SX-2600 SX-1700 ONLY
SX-2700 ONLY
2700 ONLY
C108


FRONT
R
F

3. SCHEMATIC DIAGRAM


T-METER
S-METER
VCO
Q103 : +B SWITCHING
Q101 : RF AMP
Q102 : FM +B SWITCHING
IC111 : FM B AM DETECTOR
IC151 : MPX IC
IC151 AN7470P
IC111 LA1265S
IC131 : PLL
IC131 LM7001
PHASE DETECTOR
CHARGE PUMP
PROGRAMMABLE DIVIDER
REFERENCE DIVIDER
SHIFT REGISTER
LATCH
Q131, Q132 : DC AMP
X131 ASS1005 (7.200MHz)
Q133 : +B RIPPLE FILTER
Q261,Q262 : DATA CONTROL
Q151~Q153 : MUTE
TUNER MUTE
STEREO
STOP
S.S
MUTING
FUNC STROBE
TUNER CE
TUNER DATA
TUNER CK
FUNC DATA
FUNC CK
D.GND
DATA
CK
SX-2700/KUC ONLY
IC361 : VOL.
IC361 TA7291S
CN8
CN7
VOL IN 2
VOL IN 1
VOL LED
MOTOR +12V
MOTOR GND
R ch
GND
L ch
Q361 : VOL IND. DRIVE
VR ASSEMBLY
VR361(with LED)
ACX1035 100kΩ x 2
J3
J8
J7
SX-2700/KUC
SX-2600/KUC AND SX-1700/KUC
SX-2600/KUC ONLY
BAL.
VOL.
IC301 : PF
IC301 NJ
R310
R309
VR301 100k x2 ACT1040
SX-2600/KUC AND SX-1700/KUC ONLY
SX-2700/KUC, SX-1700/KUC
SX-2700/KUC, SX-2600/KUC
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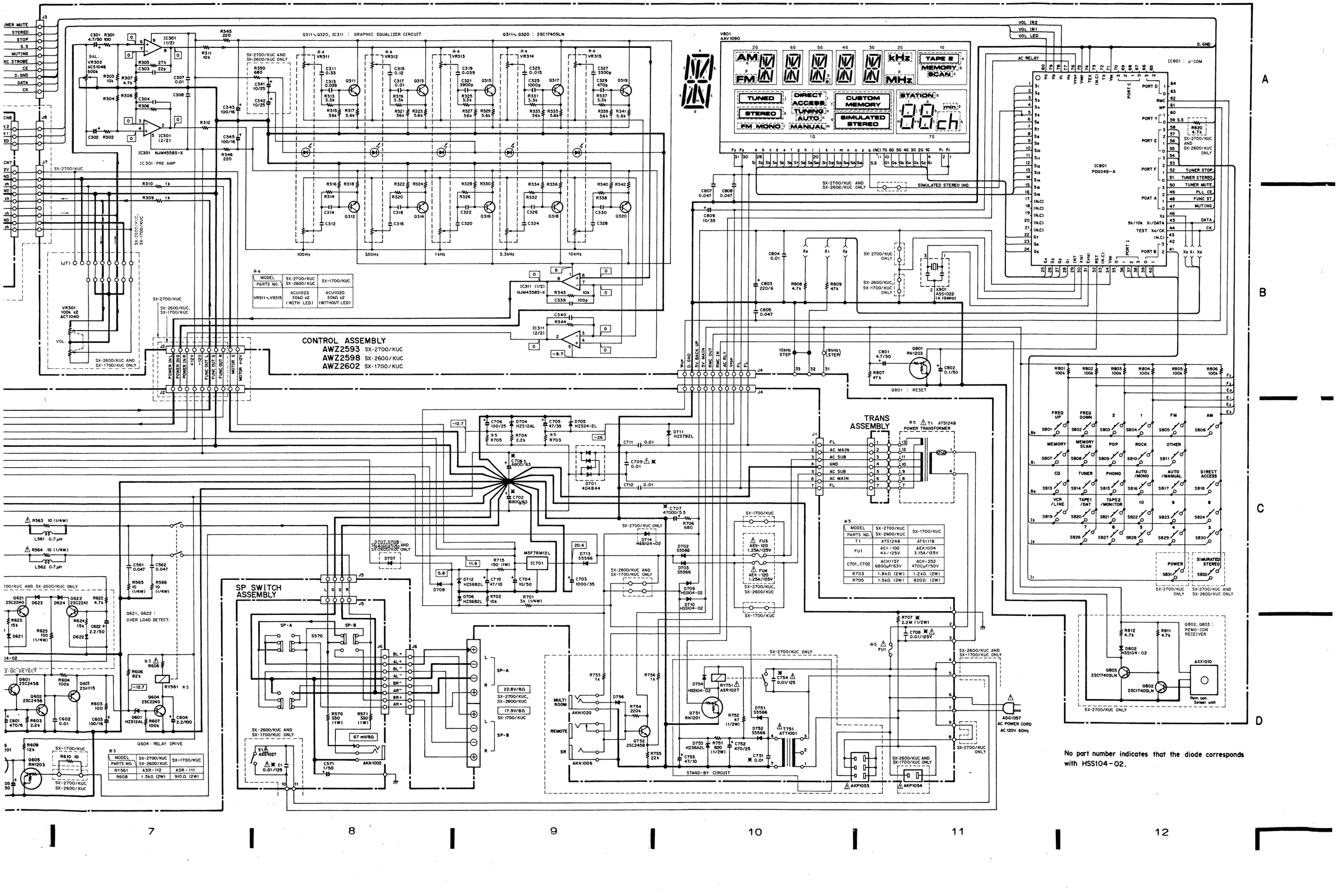
SX-2600/KUC
SX-2700/KUC
SX-1700/KUC
SX-2700/KUC, SX-2600



*4 MODEL / PARTS NO.	SX-2700/KUC SX-2600/KUC	SX-1700/KUC
VR311~VR315	ACU1023 30kΩ x2 (WITH LED)	ACU1020 30kΩ x2 (WITHOUT LED)

*3 MODEL / PARTS NO.	SX-2700/KUC SX-2600/KUC	SX-1700/KUC
RY561	ASR-112	ASR-111
R608	1.5kΩ (2W)	910Ω (2W)

*5 MODEL / PARTS NO.	SX-2700/KUC SX-2600/KUC	SX-1700/KUC
T1	ATS1248	ATS1118
FU1	AEK-100 4A/125V	AEK1004 3.15A/125V
C701, C702	ACH1137 6800μF/63V	ACH-252 4700μF/50V
R703	1.8kΩ (2W)	1.2kΩ (2W)
R705	1.5kΩ (2W)	820Ω (2W)

No part number indicates that the diode corresponds with HSS104-02.

1 . RESISTORS
Indicated in Ω, 1/4W, 1/8W, ±5%, tolerance unless otherwise noted k: kΩ, M: MΩ, (F): ±1%, (G): ±2%, (K): ±10%, (M): ±20% tolerance.

2 . CAPACITORS
Indicated in capacity(μF)/volutage(V) unless otherwise noted P: PF.
Indication without voltage is 50V except electrolytic capacitor.

3 . VOLTAGE CURRENT
V : Signal voltage at (65W+65W 8Ω) output (1kHz).
: DC voltage (V) at no input signal.
Value in ( ) is DC voltage at rated power.
⇦mA : DC current at no input signal.

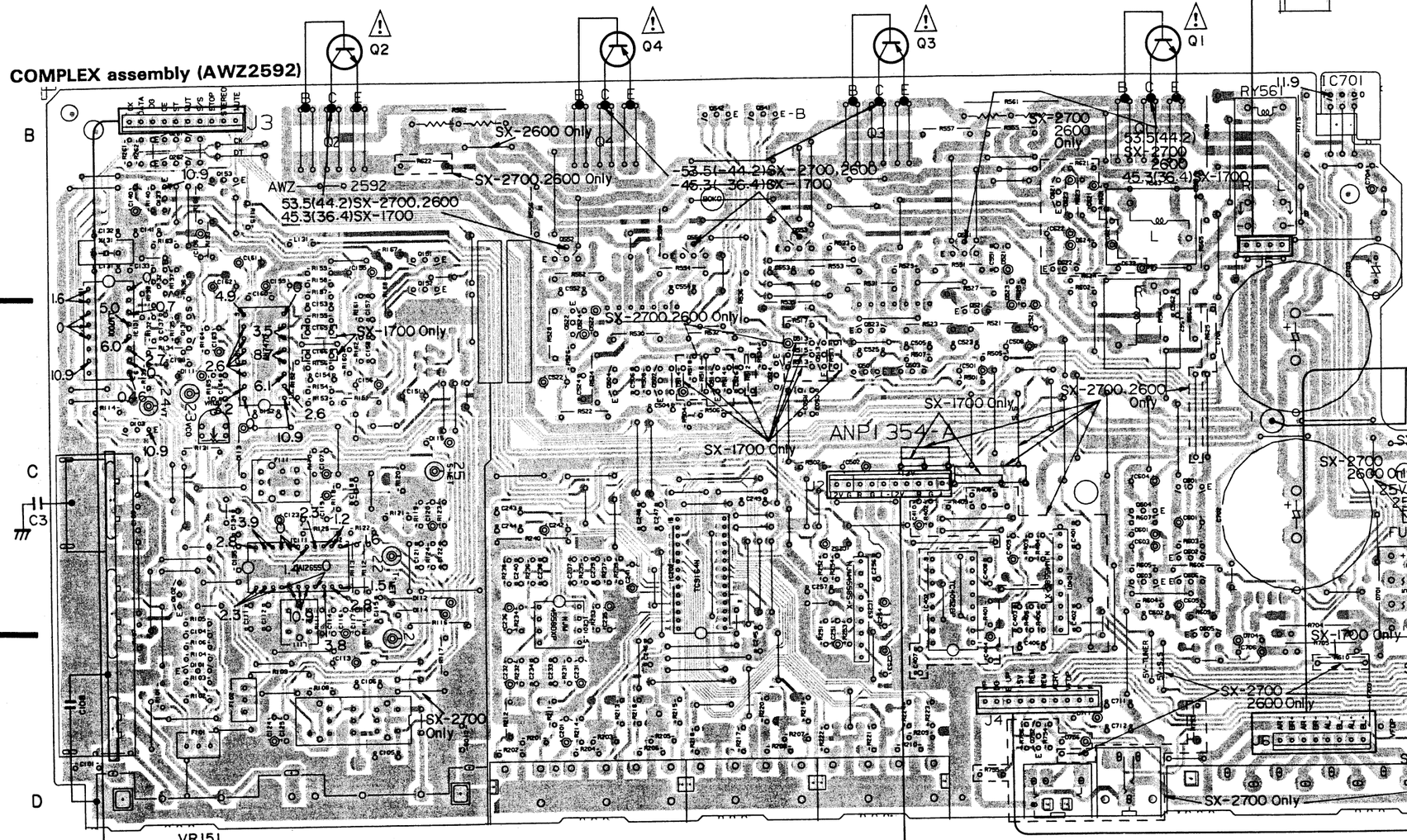
4 . OTHERS
➡ : Signal route
⊘ : Adjusting point
The ⚠ mark found on some components parts indicates the importance of the safety fuctor of the parts.
Therefore, when replacing, be sure to use parts of indentical designation.
※ marked capacitors and resistors have parts numbers.

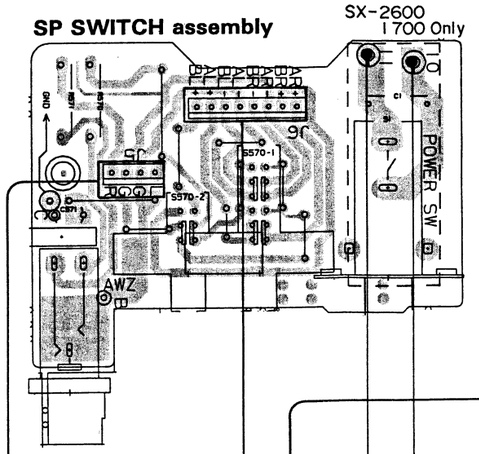
This is the basic schematic diagram, but the actual circuit may vary due to improvements in design.

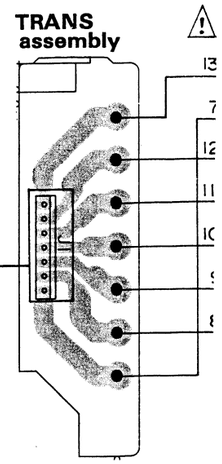
5 . SWITCHES
SX-2700
S801-S811, S813-S824,
S826-S832 : Tact switch
S570 : SPEAKER (SP A—SP B)
SX-2600
S801-S811, S813-S824,
S826-S830, S832 : Tact switch
S570 : SPEAKER (SP A—SP B)
S1 : POWER (ON—OFF)
SX-1700
S801-S811, S813-S824,
S826-S830 : Tact switch
S570 : SPEAKER (SP A—SP B)
S1 : POWER (ON—OFF)

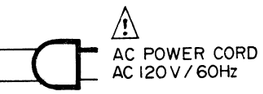
The underline indicates the switch position.

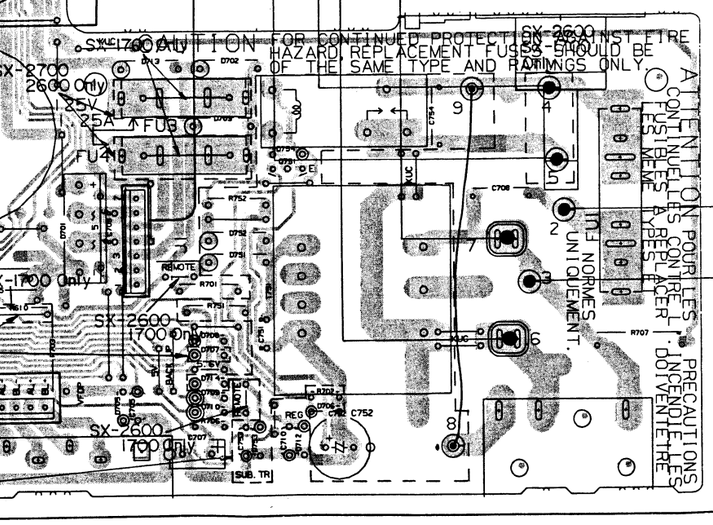
4. P.C.BOARD CONNECTION DIAGRAM



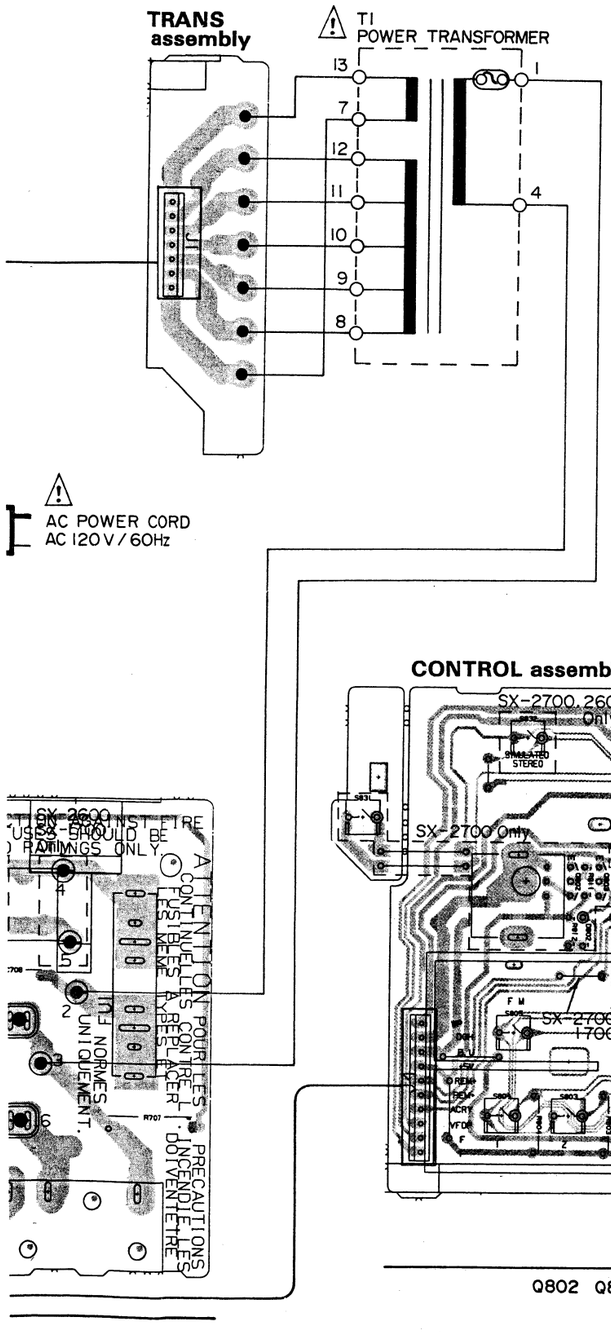


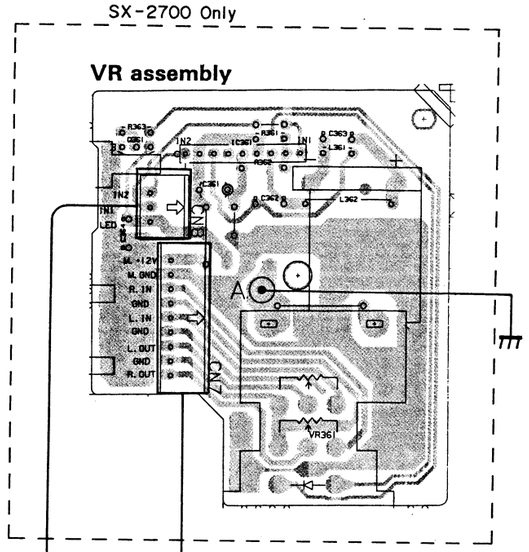





ATTENTION POUR LES PRECAUTIONS CONTINUES LA PROTECTION CONTRE L'INCENDIE LES FUSIBLES DE REMPLACER DOIVENT ETRE DU MEME TYPE ET DES NORMES UNIQUEMENT.
SX-2600 1700 Only
SX-2700 2600 Only
SX-1700 Only
SX-2700 2600 Only
SX-2600 1700 Only
SX-2700 Only
SX-2600 1700 Only
SX-2700 Only
SUB. TR

IC131 Q261 Q262 Q103 Q131-Q133 Q153 IC151 IC111 Q102 Q101
Q151 Q152 Q522 Q552 Q554 Q542 Q541 Q553 Q523 Q504 Q502 Q514 Q524 Q513 Q501 IC201 IC202 IC253
Q551 Q521 Q621 Q622 Q503 IC402 Q752 IC401 Q601-Q606
IC701
Q751





NOTE

1. This P.C.B connection diagram is viewed from the parts mounted side.
2. The parts which have been mounted on the board can be replaced with those shown with the corresponding wiring symbols listed in the following Table.

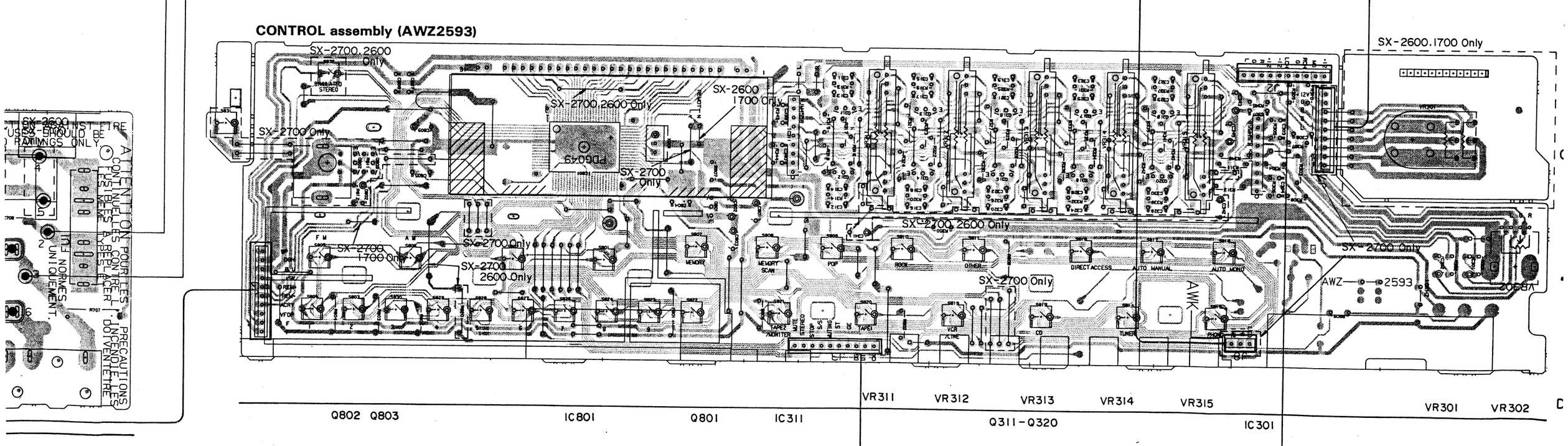
P.C.B. pattern diagram indication	Corresponding part symbol	Part Name
Q504 E C	E C or E C	Transistor
Q215	or	Radiator type transistor
D203	D203	Diode
R237	R237	Resistor
C513		Capacitor (Polarity)
C518		Capacitor (Non-polarity)

Others

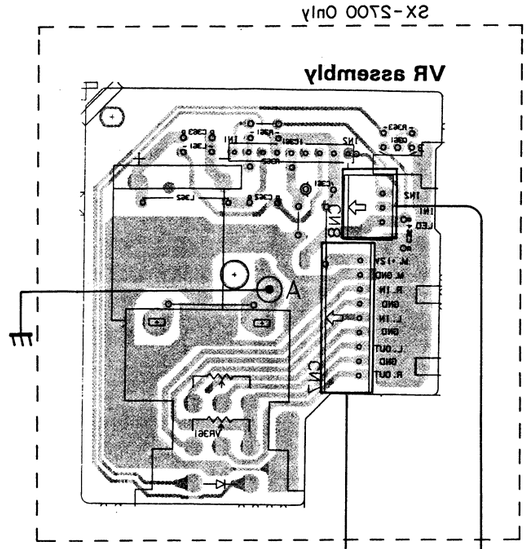
P.C.B. pattern diagram indication	Part Name
IC	IC
S	Switch
RY	Relay
L	Coil
F	Filter
VR	Variable resistor or Semi-fixed resistor

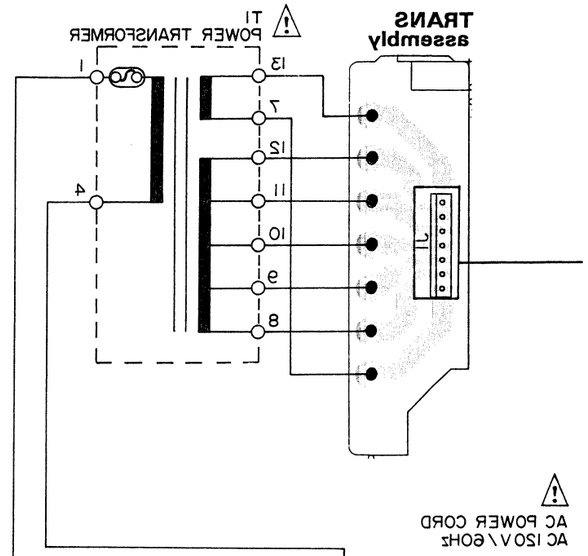
3. The capactor terminal marked with ◎(double circles) shows negatine termianl.
4. The diode terminal marked with ◎(double circles) shows cathode side.
5. The transistor terminal to which E is affixed shows the emitter.

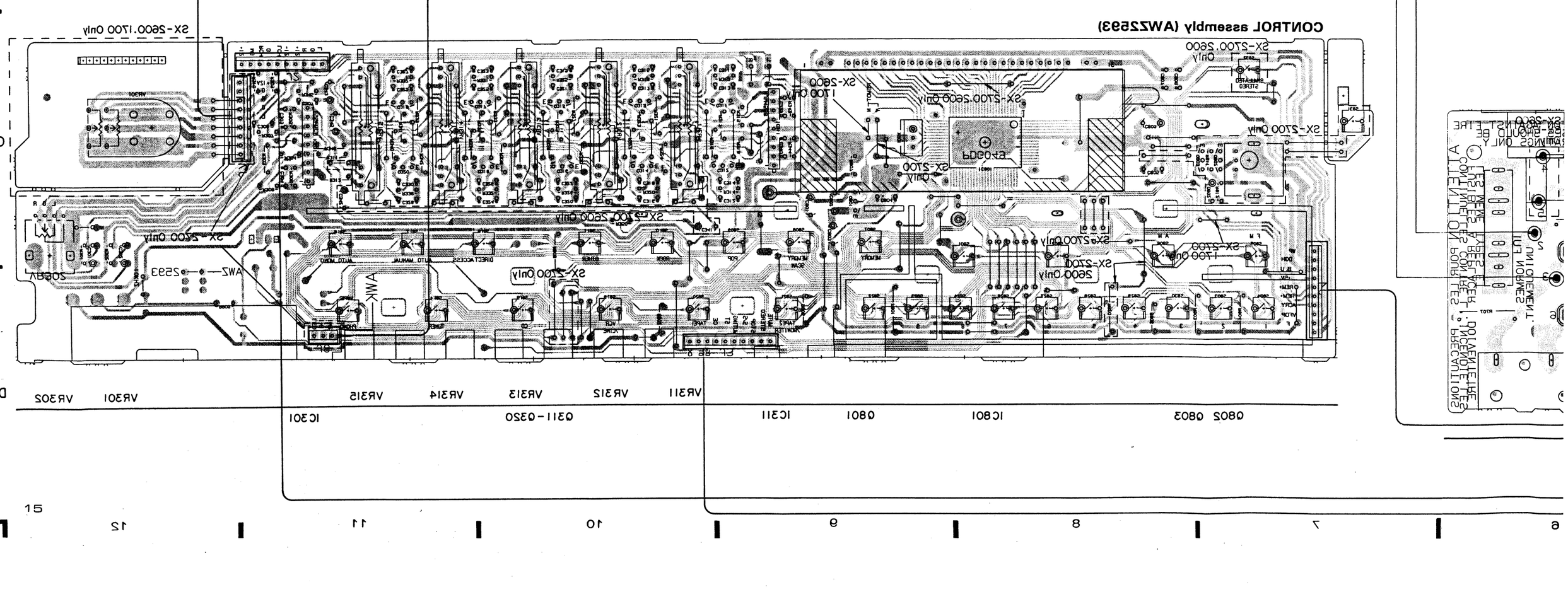
CONTROL assembly (AWZ2593)

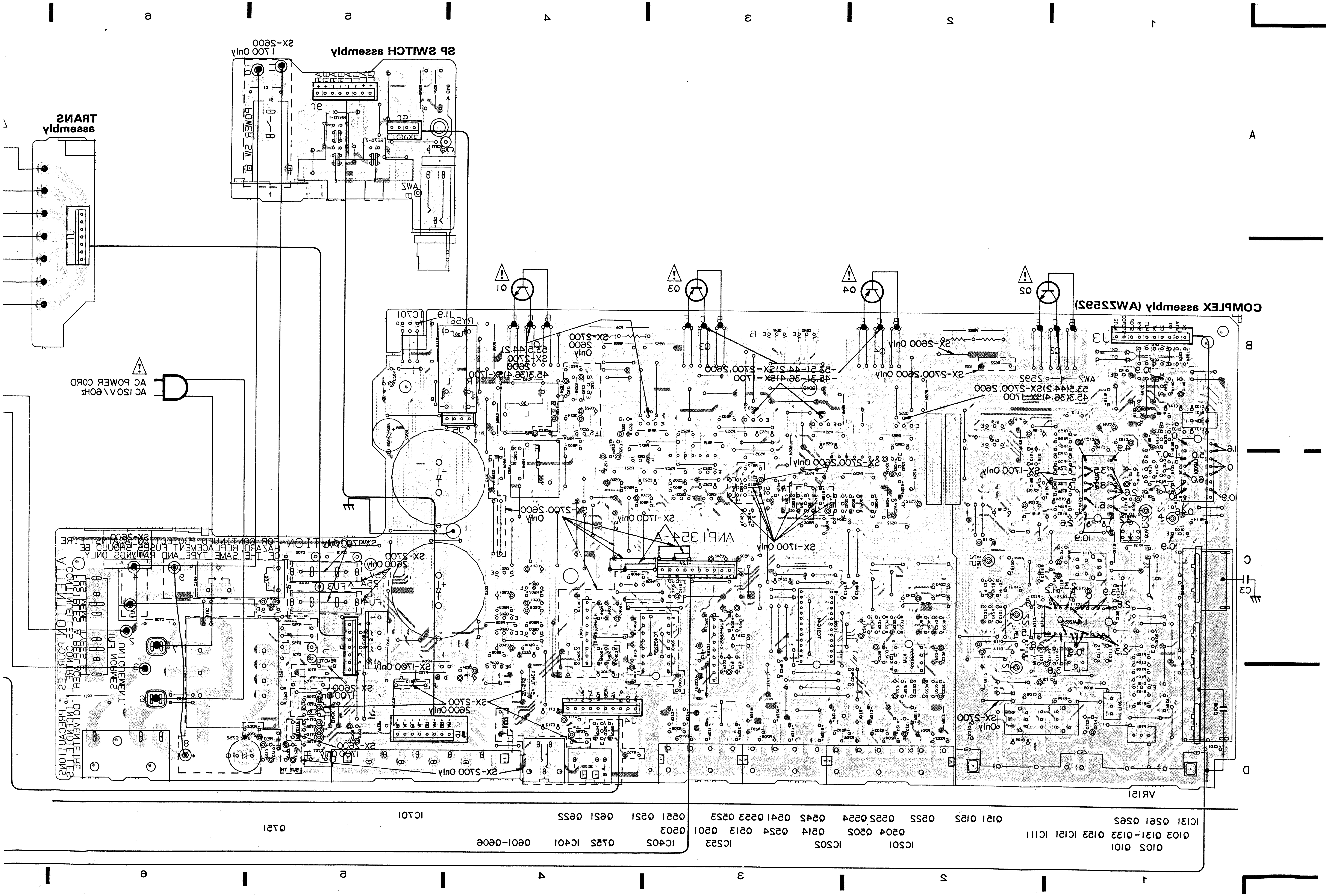


NOTE:
This picture shows the foil side of the printed circuit.









SP SWITCH assembly
SX-2600
1700 Only
POWER SW
TRANS assembly
AC POWER CORD
AC 120V/60Hz
COMPLEX assembly (AWZ2592)
Q1
Q3
Q4
Q2
53.5(44.2)SX-2700.2600
45.3(36.4)SX-1700
SX-2700
2600
Only
SX-2600 Only
SX-2700.2600 Only
SX-1700 Only
ANP1354-A
CAUTION - FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACEMENT FUSES SHOULD BE OF THE SAME TYPE AND RATINGS ONLY.
FU3
FU4
125V
2.5A
SX-2700 Only
VR151
IC701
Q751
Q551 Q521 Q621 Q622
Q503
IC402 Q752 IC401 Q601-Q606
Q523 Q553 Q541 Q542 Q554 Q552 Q522 Q151 Q152
Q501 Q513 Q524 Q514 Q502 Q504
IC253 IC202 IC201
IC131 Q261 Q262
Q103 Q131-Q133 Q153 IC151 IC111
Q102 Q101

5. ELECTRICAL PARTS LIST

NOTES:

- *Parts without part number cannot be supplied.*
- *Parts marked by "◉" are not always kept in stock. Their delivery time may be longer than usual or they may be unavailable.*
- *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
- *When ordering resistors, first convert resistance values into code form as shown in the following examples.*

Ex. 1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47k ohm (tolerance is shown by J = 5%, and K = 10%).

560Ω	*56 × 10¹*	*561*	*RD1/4PS 5 6 1 J*
47kΩ	*47 × 10³*	*473*	*RD1/4PS 4 7 3 J*
0.5Ω	*0R5*		*RN2H 0 R 5 K*
1Ω	*010*		*RS1P 0 1 0 K*

Ex. 2 When there are 3 effective digits (such as in high precision metal film resistors).

5.62kΩ	*562 × 10¹*	*5621*	*RN1/4SR 5 6 2 1 F*

Miscellaneous parts

P.C.BOARD ASSEMBLIES

Mark	Symbol & Description	Part No.
	COMPLEX assembly	AWZ2592
	CONTROL assembly	AWZ2593
	SP SWITCH assembly	
	VR assembly	
	TRANS assembly	

OTHERS

Mark	Symbol & Description	Part No.
⚠	Q1,Q2 Transistor	2SC3181N
⚠	Q3,Q4 Transistor	2SA1264N
⚠	T1 Power transformer	ATS1248
⚠	FU1 Fuse (4A/125V)	AEK−100
⚠	FU3,FU4 Fuse (1.25A/125V)	AEK−120
	C3 CERAMIC CAPACITOR	CKDYF102Z50
⚠	AC power cord	ADG1057

COMPLEX assembly (AWZ2592)

SEMICONDUCTORS

Mark	Symbol & Description	Part No.
	IC151	AN7470P
	IC111	LA1265S
	IC131	LM7001
	IC701	M5F78M12L
	IC201	NJM4558DXP
	IC253,IC401	NJM4558S−X
	IC402	TC4052BP
	IC202	TC9164N
	Q606,Q751	RN1201
	Q261,Q262,Q605	RN1203
	Q102,Q103	RN2201
	Q603	2SA1115
	Q521,Q522	2SA1145
	Q553,Q554	2SA1306
	Q153	2SA933S
	Q501−Q504	2SA992
	Q133,Q151,Q152	2SC1740S
	Q132	2SC1740SLN
	Q513,Q514	2SC1845
	Q604,Q621,Q622	2SC2240
	Q601,Q602,Q752	2SC2458
	Q541,Q542	2SC2603
	Q101	2SC2668
	Q523,Q524	2SC2705
	Q551,Q552	2SC3298
	Q131	2SK246
	D513,D514,D521−D524, D621−D624,D707−D710, D714,D754,D756	HSS104−02
	D601,D704 Zener diode	HZS12AL
	D705 Zener diode	HZS24−2L
	D753 Zener diode	HZS6A2L
	D706,D712 Zener diode	HZS6B2L
	D711 Zener diode	HZS7B2L
	D702,D703,D713,D751,D752	S5566
	D111−D115	1SS252
	D701	4D4B44

RELAIES

Mark	Symbol & Description	Part No.
	RY561	ASR−112
	RY751	ASR1027

COILS & TRANSFORMER

Mark	Symbol & Description	Part No.
	L111 FM detector coil	ATE−079
	F101,F102 FM ceramic filter	ATF−126
	F111 AM ceramic filter	ATF−208
	L561,L562 AF choking coil (0.7μH)	ATH1004
	L131 Axial inductor (2.2μH)	LAU2R2M
⚠	T751 Power transformer	ATT1011

CAPACITORS

Mark	Symbol & Description	Part No.
	C164 (470pF)	ACE1039
⚠	C708,C754 (0.01μF/125V)	ACG1003
	C709,C751 (0.01μF/150V)	ACG1005
	C135 (47pF)	ACG1016
	C117 (330pF)	ACG1018
	C101,C103,C104,C114,C125, C133,C138,C160 (0.01μF)	ACG1021
	C707 (47000μF/5.5V)	ACH1135
	C701,C702 (6800μF/DC63V)	ACH1137
	C525,C526	CCCSL050C500
	C551−C554	CCCSL101K500
	C523,C524	CCCSL120K500
	C233,C234	CCCSL221J50
	C131,C132	CCDCH150J50
	C151	CEANP4R7M35
	C161	CEASR22M50
	C116,C201	CEAS010M50
	C162	CEAS1R5M50
	C119,C231,C232,C704	CEAS100M50
	C508,C603	CEAS101M16
	C706	CEAS101M25
	C703	CEAS102M35
	C604	CEAS2R2M100
	C120,C241,C242,C251,C252, C501,C502,C621,C622	CEAS2R2M50
	C521,C522	CEAS220M16
	C163	CEAS3R3M50
	C107,C113,C136	CEAS330M16
	C123,C155,C156,C253,C254, C404,C410,C605	CEAS4R7M50
	C124,C235,C236,C710,C753	CEAS470M10
	C140,C159	CEAS470M16
	C409	CEAS470M25
	C705	CEAS470M35
	C752	CEAS471M25
	C601	CEAS471M6
	C137	CFTXA224J50
	C247,C248	CKCYB331K50
	C249	CKCYB471K50
	C503,C504	CKDYB102K50
	C157,C158	CKDYB182K50
	C406	CKDYB331K50
	C403	CKDYB332K50
	C505,C506	CKDYB681K50
	C109	CKDYX104M25
	C115,C118,C243−C246,C256, C257,C401,C402,C407,C408, C602,C711,C712,C134	CKDYF103Z50
	C121	CKDYF222Z50
	C105,C106,C111,C112	CKDYF223Z50
	C122,C141,C152	CKDYF473Z50
	C153,C154	CQMA152J50
	C237,C238	CQMA242J50
	C561,C562	CQMA473K50
	C239,C240	CQMA822K50
	C108	CKDYF102Z50

RESISTORS

Mark	Symbol & Description	Part No.
	VR151 (4.7kΩ)	ACP1024
⚠	R561,R562 (0.33,5W×2)	ACN−139
	R707 (2.2MΩ,1/2W)	ACN−209
	R703−R705	RS2LMF□□□J
⚠	R608	RS2LMF152J
	R715	RS1LMF151J
⚠	R535,R536,R551−R554	RFA1/4PS101J
	R751,R752	RD1/2PM□□□J
⚠	R527,R528,R563,R564	RD1/4PMF□□□J
	R555−R558,R565,R566,R625	RD1/4PMF□□□J
	R521−R524,R531,R532,R701	RD1/4PM□□□J
	Other resistors	RD/18PM□□□J

OTHERS

Mark	Symbol & Description	Part No.
	2 Positions F.E.module assembly	AXQ1002
	AM RF Tuning block	AXX1011
	Terminal 4P (ANTENNA)	AKA1009
	Terminal 4P (TAPE1/DAT,TAPE2)	AKB1101
	Terminal 6P (PHONO,CD,VCR/LINE)	AKB1121
	Terminal 8P (SPEAKER)	AKE−111
	Mini jack 2P (SR REMOTE)	AKN1006
	Mini jack (MULTI ROOM REMOTE)	AKN1020
⚠	AC Outlet 3P	AKP1053
	X131 Crystal resonator (7.200MHz)	ASS1005

CONTROL assembly (AWZ2593)

SEMICNDUCTORS

Mark	Symbol & Description	Part No.
	IC301,IC311	NJM4558S−X
	IC801	PDG049−A
	Q801	RN1203
	Q311−Q320,Q802,Q803	2SC1740SLN
	D802	HSS104−02

SWITCHES

Mark	Symbol & Description	Part No.
	S801–S811,S813–S824, S826–S832 Tact switch	ASG1034

CAPACITORS

Mark	Symbol & Description	Part No.
	C339,C340	CCCSL101J50
	C303,C304	CCCSL220J50
	C343,C345	CEAS101M16
	C301,C302	CEAS470M50
	C802	CEJA0R1M50
	C341,C342	CEJA100M25
	C809	CEJA100M35
	C803	CEJA221M16
	C801	CEJA4R7M50
	C341,C342	CEJA100M25
	C809	CEJA100M35
	C803	CEJA221M6
	C801	CEJA4R7M50
	C805,C807,C808	CKDYF473Z50
	C317,C318	CQMA103K50
	C323,C324	CQMA153J50
	C327,C328	CQMA332K50
	C321,C322	CQMA392K50
	C313,C314,C319,C320	CQMA393K50

RESISTORS

Mark	Symbol & Description	Part No.
	VR302 (500k)	ACS1046
	VR311–VR315 (30k×2)	ACU1023
	Other resistors	RD1/8PM□□□J

OTHERS

Mark	Symbol & Description	Part No.
	X801 Ceramic resonator (4.19MHZ)	ASS1022
	V801 Fluorescent indicator tube	AAV1090
	Remote control sensor unit	AXX1010

SP SWITCH assembly

SWITCH

Mark	Symbol & Description	Part No.
	S570 Push switch (SPEAKER)	SUJ5LXYS

CAPACITOR

Mark	Symbol & Description	Part No.
	C571	CEAS010M50

RESISTORS

Mark	Symbol & Description	Part No.
	R570,R571	RS1PMF331J

OTHER

Mark	Symbol & Description	Part No.
	Head phone jack	AKN1002

VR assembly

SEMICONDUCTORS

Mark	Symbol & Description	Part No.
	IC361	TA7291S
	Q361	RN1203

COILS

Mark	Symbol & Description	Part No.
	L361,L362	LAU221K

CAPACITORS

Mark	Symbol & Description	Part No.
	C361	CEAS470M50
	C362,C363	CKDYF473Z50
	C364	CKDYX104M25

RESISTORS

Mark	Symbol & Description	Part No.
	VR361 Motor-variable resistor with LED (100k×2)	ACX1035
	Other resistors	RD1/8PM□□□J

OTHERS

Mark	Symbol & Description	Part No.
	CN8 Jumper connector 3P	KPC3
	CN7 Jumper connector 9P	KPC9

TRANS assembly

No parts are supplied with the TRANS assembly.

6. ADJUSTMENTS

TUNER SECTION

- Set the volume to"MIN".
- Set the FUNCTION to"TUNER".

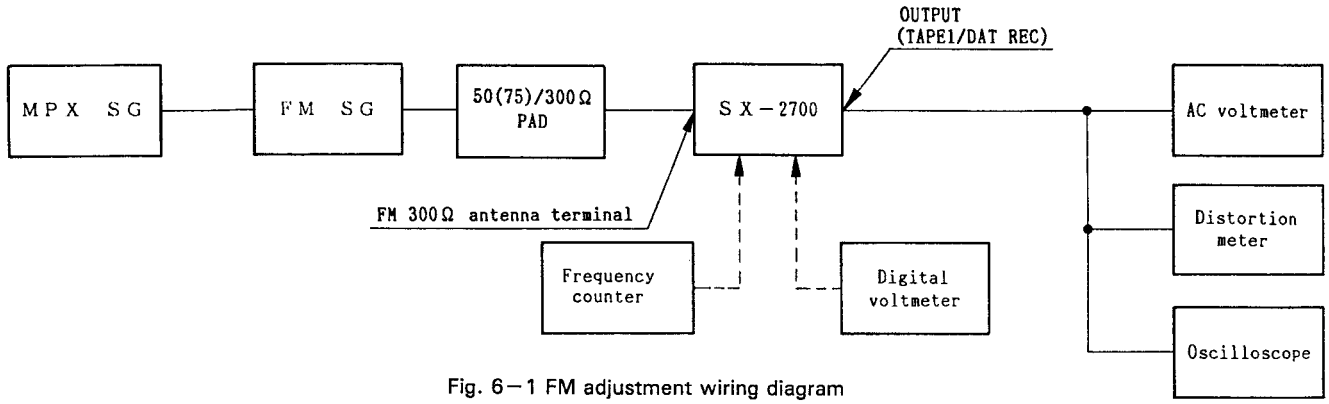


Fig. 6−1 FM adjustment wiring diagram

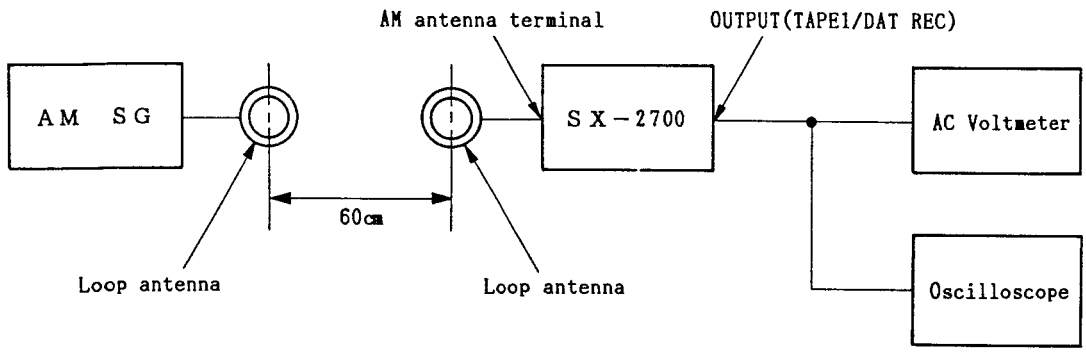


Fig. 6−2 AM adjustment wiring diagram

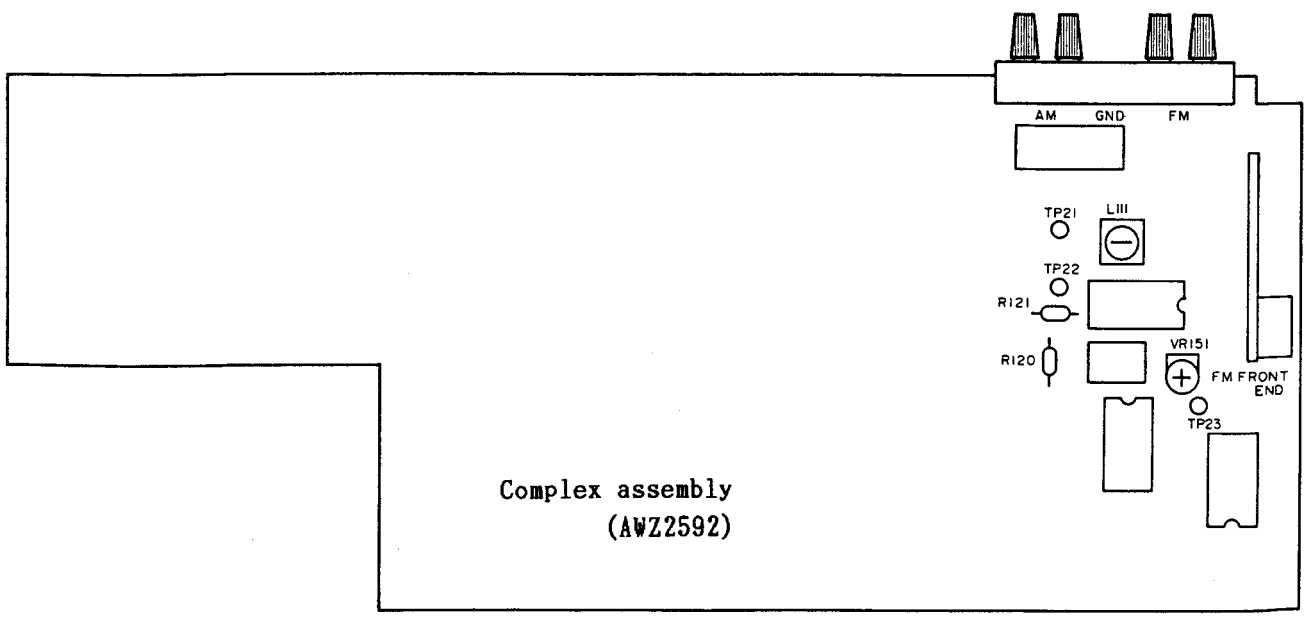


Fig. 6−3 Adjustment locations

FM TUNER SECTION ADJUSTMENT

- For connections and points to be adjusted, refer to Fig. 6−1 and 6−3.
- Set the BAND selector to"FM".
- Perform VCO adjustment after turning the power ON, two minutes or more.

Note: Stereo modulation: Main 1kHz L+R±68.25Hz dev.
Pilot 19kHz ±6.75kHz dev.

Step No.	Adjustment Title	FM SG (1kHz ±75kHz dev.)		SX-2700 Reception Frequency Display	Adjustment	
		Frequency (MHz)	Level (dBμV)		Adjustment Location	Specifications
1	Detector coil T-meter adjustment (MONO)	98.0	60	98.0MHz	L111	Adjust so that the DC voltage between TP21 and TP22 is 0 ±50mv.
2	Checking front end sensitivity (MONO)	98.0	—	98.0MHz	—	Check that the practical sensitivity is 10 dBμV or less.
3	VCO adjustment (MONO)	98.0 (No modulation)	60	98.0MHz	VR151	Adjust so that the frequency between TP23 and GND is 76 ±0.5kHz.
4	Checking stereo distortion (STEREO)	98.0	60	98.0MHz	—	Check that the stereo distortion is 1.5% or less.
		Stereo modulation (Note)				
5	Checking separation (STEREO)	98.0	60	98.0MHz	—	Check that the separation is 25 dB or more (at 1kHz).
6	Check lighting level of TUNED and STEREO IND. (STEREO)	98.0	—	98.0MHz	R121 *1	FOR TUNED IND. 24 dBμV ±15 dB. FOR STEREO IND. ±3 dB of TUNED IND. lighting level.

*1. Remove the R121 (11kΩ) from the complex assembly if the Tuning indicator fails of light up.

AM TUNER SECTION ADJUSTMENT

- For connections and points to be adjusted, refer to Fig. 6−2 and 6−3.
- Set the BAND selector to"AM"

Step No.	Adjustment Title	AM SG		SX-2700 Reception Frequency Display	Adjustment	
		Frequency	Level		Adjustment Location	Specifications
1	Checking front end sensitivity	1000kHz (Modulation ON)	—	1000kHz	—	Check that the practical sensitivity is 75 dBμV/m or less.
2	Check lighting level of TUNED IND.	1000kHz	—	1000kHz	R120 *2	65dBμV/m or less

*2. Remove the R120 (5.6kΩ) from the complex assembly if the Tuning indicator fails of light up.

6. RÉGLAGE

SECTION TUNER

- Régler le volume sur "MIN".
- Régler le sélecteur de fonction sur "TUNER".

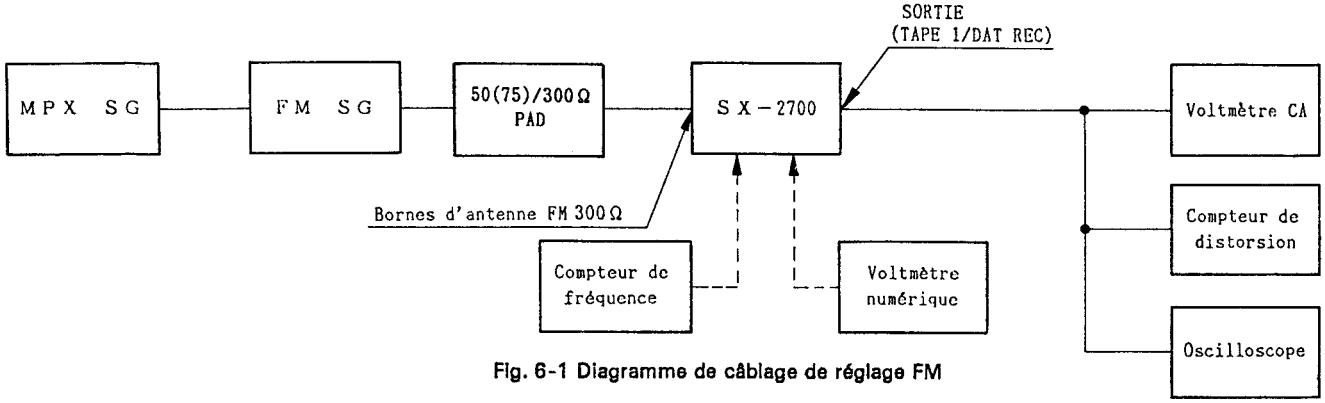


Fig. 6-1 Diagramme de câblage de réglage FM

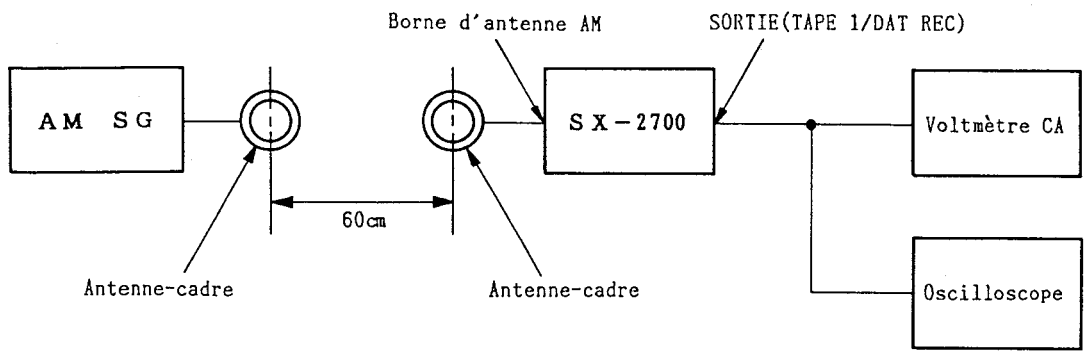


Fig. 6-2 Diagramma de câblage de réglage AM

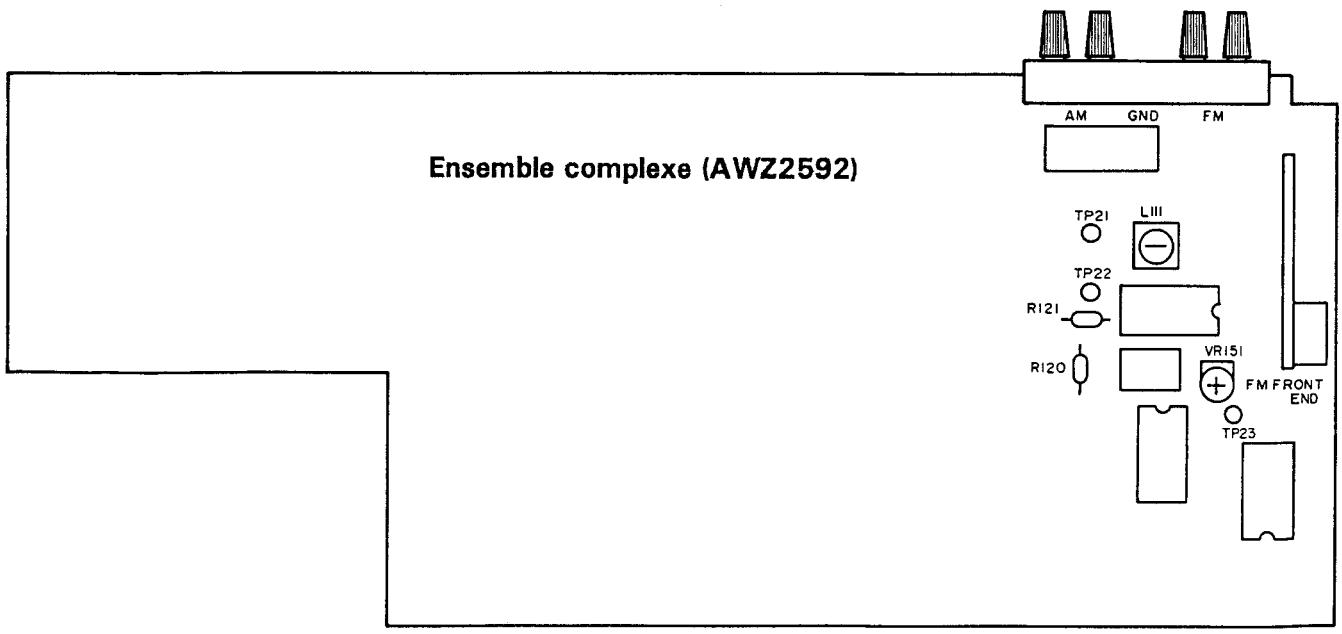


Fig. 6-3 Emplacements de réglage

RÉGLAGE DE SECTION TUNER FM

- Se reporter aux figures 6−1 et 6−3 pour les connexions et points à régler.
- Placer le sélecteur de BANDE sur "FM".
- Effectuer le réglage d'oscillateur commandé par variation de tension (VCO) deux minutes ou plus après la mise sous tension (ON).

Note: Modulation stéréo: Principal 1 kHz G+D ±68,25 Hz d'écart
Pilote 19 kHz ±6,75 kHz d'écart

Etape N°	Désignation de réglage	FM SG (1 kHz ±75 kHz d'écart)		SX-2700 Affichage de fréquence de réception	Réglage	
		Fréquence (MHz)	Niveau (dBμ)		Emplacement de réglage	Spécifications
1	Réglage de compteur T de bobine de détecteur (MONO)	98,0	60	98,0 MHz	L111	Régler pour que la tension CC entre TP21 et TP22 soit de 0 ±50 mV.
2	Contrôle de sensibilité d'extrémité avant (MONO)	98,0	—	98,0 MHz	—	Vérifier que la sensibilité pratique est de 10 dBμV ou moins.
3	Réglage VCO (MONO)	98,0 (Sans modulation)	60	98,0 MHz	VR151	Régler pour que la fréquence entre TP23 et la terre soit de 76 ±0,5 kHz.
4	Contrôle de distorsion stéréo (STEREO)	98,0	60	98,0 MHz	—	Vérifier que la distorsion stéréo est 1,5 % ou moins.
		Modulation stéréo (Note)				
5	Contrôle de séparation (STEREO)	98,0	60	98,0 MHz	—	Vérifier que la séparation est 25 dB ou plus (à 1 kHz).
6	Contrôler l'intensité d'éclairage du témoin d'ACCORD et de STEREO (STEREO)	98,0	—	98,0 MHz	R121 *1	Pour témoin d'ACCORD 24 dBV ±15 dB Pour témoin STEREO ±3 dB de l'intensité d'éclairage du témoin d'ACCORD.

* 1. Déposer le R121 (11 kΩ) de l'ensemble complexe si le témoin d'accord manque de s'allumer.

REGLAGE DE SECTION TUNER AM

- Se reporter aux figures 6−2 et 6−3 pour les connexions et points à régler.
- Placer le sélecteur de BANDE sur "AM".

Etape N°	Désignation de réglage	AM SG		SX-2700 Affichage de fréquence de réception	Réglage	
		Fréquence	Niveau		Emplacement de réglage	Spécifications
1	Contrôle de sensibilité d'extrémité avant	1000 kHz (Modulation activée)	—	1000 kHz	—	Vérifier que la sensibilité pratique est 75 dB ou moins.
2	Contrôler l'intensité d'éclairage du témoin d'ACCORD	1000 kHz	—	1000 kHz	R120 *2	65 dBμV/m ou moins

* 2. Déposer le R120 (5,6 kΩ) de l'ensemble complexe si le témoin d'accord manque de s'allumer

6. AJUSTE

SECCIÓN DEL SINTONIZADOR

- Ajuste el volumen a la posición "MIN".
- Ajuste la función (FUNCTION) a la posición "TUNER".

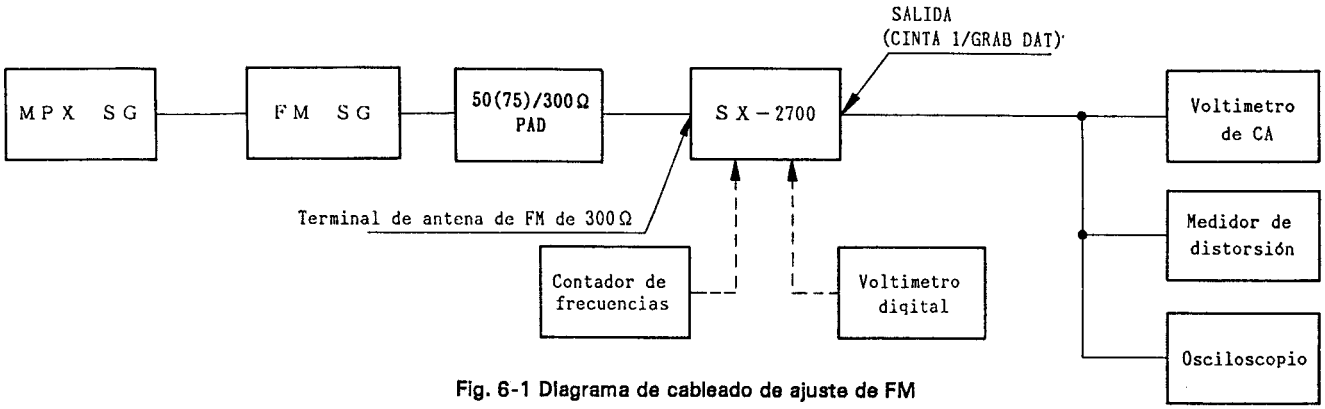


Fig. 6-1 Diagrama de cableado de ajuste de FM

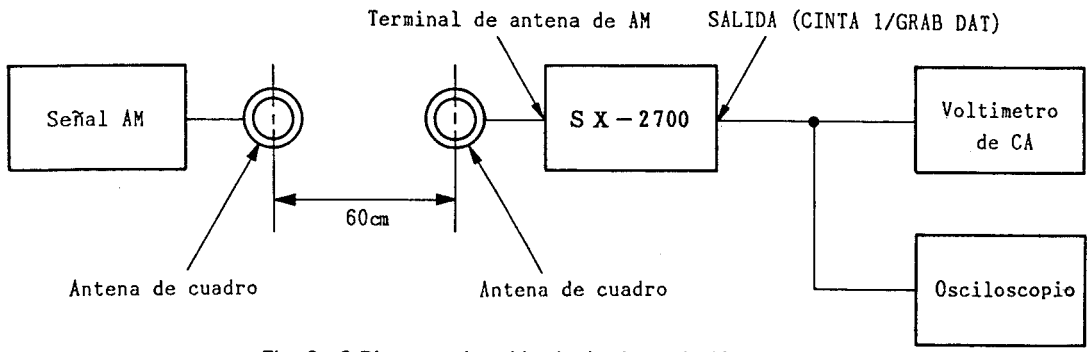


Fig. 6-2 Diagrama de cableado de ajuste de AM

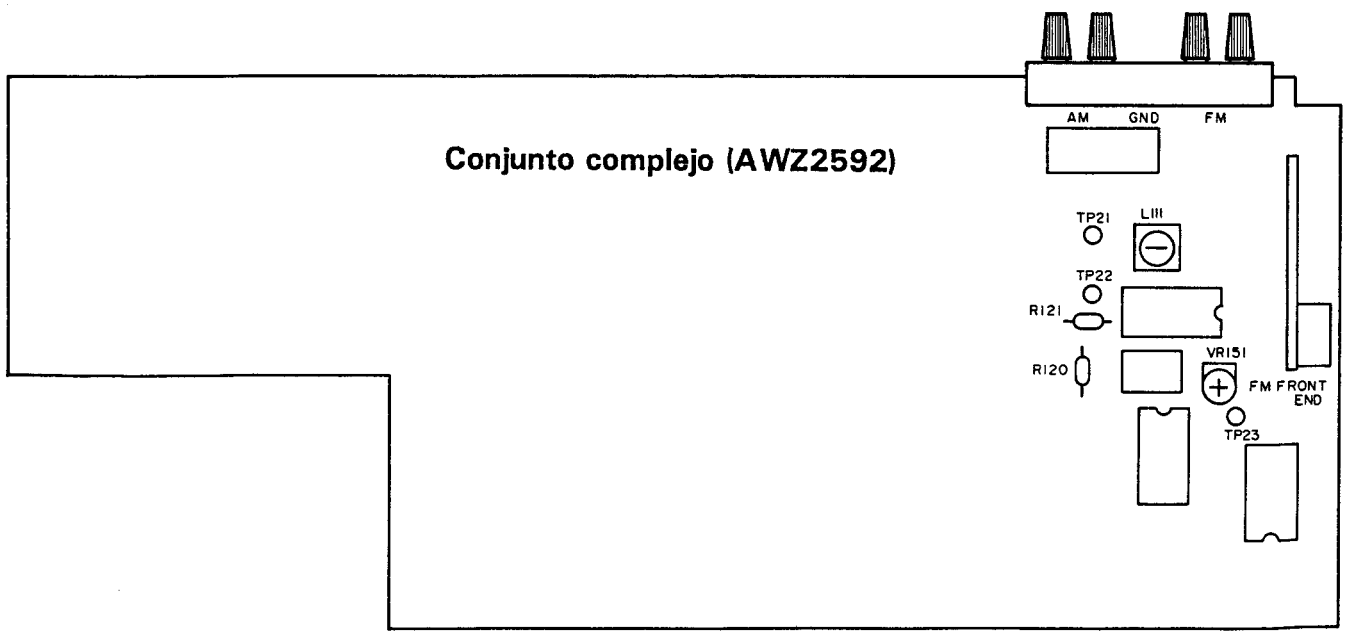


Fig. 6-3 Puntos de ajustes

AJUSTE DE LA SECCIÓN DEL SINTONIZADOR DE FM

- Para las conexiones y puntos a ser ajustados, refiérase a las figuras 6−1 y 6−3.
- Ajuste el selector BAND a "FM".
- Realice el ajuste VCO luego de los dos minutos o más de haber encendido la unidad.

Nota: Modulación estereofónica: Principal 1 kHz I+D ± 68,25 Hz de desviación.
Señal piloto 19 kHz ± 6,75 kHz de desviación.

Paso	Título de ajuste	Señal de FM (1 kHz ± 76 kHz de desviación)		Presentación de frecuencia de recepción del SX-2700	Ajuste	
		Frecuencia (MHz)	Nivel (dBμ)		Punto de ajuste	Especificaciones
1	Ajuste del medidor T de la bobina de detección (MONOFÓNICO)	98,0	60	98,0 MHz	L111	Ajuste de modo que el voltaje de CC entre los terminales TP21 y TP22 sea 0 ±50 mV.
2	Comprobación de sensibilidad de sección de sintonía (MONOFÓNICO)	98,0	—	98,0 MHz	—	Compruebe que la sensibilidad real sea de 10 dBμV o menos.
3	Ajuste de VCO (MONOFÓNICO)	98,0 (Sin modulación)	60	98,0 MHz	VR151	Ajuste de modo que la frecuencia entre el terminal TP23 y masa (GND) sea 76 ± 0,5 kHz.
4	Comprobación de distorsión estereofónica (ESTÉREO)	98,0	60	98,0 MHz	—	Compruebe que la distorsión estereofónica sea de 1,5 % o menos.
		Modulación estereofónica (Nota)				
5	Comprobación de separación (ESTÉREO)	98,0	60	98,0 MHz	—	Compruebe que la separación sea de 25 dB o más (en 1 kHz).
6	Compruebe el nivel de iluminación de TUNED y STEREO IND. (ESTÉREO)	98,0	—	98,0 MHz	R121 *1	Para TUNED IND. 24 dBμV ±15 dB Para STEREO IND. ±3 dB del nivel de iluminación de TUNED IND.

* 1. Si el indicador de sintonía no se enciende desconecte la resistencia R121 (11 kΩ) del conjunto complejo.

AJUSTE DE LA SECCIÓN DEL SINTONIZADOR DE AM

- Para las conexiones y puntos a ser ajustados, refiérase a las figuras 6−2 y 6−3.
- Ajuste el selector BAND a la posición "AM"

Paso	Título de ajuste	Señal de AM		Presentación de frecuencia de recepción del SX-2700	Ajuste	
		Frecuencia	Modulación		Punto de ajuste	Especificaciones
1	Comprobación de sensibilidad de sección de sintonía	1000 kHz (Modulación ON)	—	1000 kHz	—	Compruebe que la sensibilidad real sea de 75 dBμB/m o menos.
2	Compruebe el nivel de iluminación de TUNED IND.	1000 kHz		1000 kHz	R120 *2	65 dBμV/m o menos.

* 2. Si el indicador de sintonía no se enciende desconecte la resistencia R120 (5,6 kΩ) del conjunto complejo.

7. FOR SX-2600/KUC AND SX-1700/KUC TYPES

CONTRAST OF MISCELLANEOUS PARTS

NOTES:

- *Parts without part number cannot be supplied.*
- *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
- *Parts marked by "◉" are not always kept in stock. Their delivery time may be longer than usual or they may be unavailable.*

The SX-2600/KUC and SX-1700/KUC types are the same as the SX-2700/KUC type with the exception of the following sections.

Mark	Symbol & Description	Part No.			Remarks
		SX-2700 /KUC type	SX-2600 /KUC type	SX-1700 /KUC type	
	COMPLEX assembly	AWZ2592	AWZ2597	AWZ2601	
	CONTROL assembly	AWZ2593	AWZ2598	AWZ2602	
	SP SWITCH assembly	Non supply	Non supply	Non supply	
	VR assembly	Non supply	.....	.....	
⚠	Q1,Q2 Transistor	2SC3181N	2SC3181N	2SC3180N	
⚠	Q3,Q4 Transistor	2SA1264N	2SA1264N	2SA1263N	
⚠	T1 Power transformer	ATS1248	ATS1248	ATS1118	
⚠	FU1 Fuse (4A/125V)	AEK−100	AEK−100	.....	
⚠	FU1 Fuse (3.15A/125V)	.....	.....	AEK1004	
⚠	FU3,FU4 Fuse (1.25A/125V)	AEK−120	AEK−120	.....	
	Master VOL assembly	AAB1119	.....	.....	
	Master VOL knob	.....	AAB1134	AAB1134	
	S.S.push knob	AAD1660	AAD1660	.....	
	Acrylic panel	AAK1903	AAK1902	AAK1901	
	Front panel	AMB1564	AMB1563	AMB1562	
	Packing case	AHD1771	AHD1772	AHD1770	
	Operating Instructions (English)	ARB1213	ARB1214	ARB1214	
	Remote control unit	AXD1126	.....	.....	
	Battery cover	PZN1001	.....	.....	
	Volume nut (M7)	.....	ABN−094	ABN−094	

COMPLEX assembly (AWZ2597 and AWZ2601)

The COMPLEX assembly (AWZ2597 and AWZ2601) is the same as the COMPLEX assembly (AWZ2592) with the exception of the following sections.

Mark	Symbol & Description	Part No.			Remarks
		AWZ2592	AWZ2597	AWZ2601	
	IC401	NJM4558S-X	NJM4558S-X	.....	
	IC402	TC4052BP	TC4052BP	.....	
	Q513,Q514	2SC1845	2SC1845	.....	
	Q551,Q552	2SC3298	2SC3298	2SC2235	
	Q553,Q554	2SA1306	2SA1306	2SA965	
	Q621,Q622	2SC2240	2SC2240	.....	
	Q751	RN1201	.....	.....	
	Q752	2SC2458	.....	.....	
	D513,D514,D621-D624,D707	HSS104-02	HSS104-02	.....	
	D714,D754,D756	HSS104-02	.....	.....	
	D751,D752	S5566	.....	.....	
	D753	HZS6A2L	.....	.....	
	RY561	ASR-112	ASR-112	ASR-111	
	RY751	ASR1027	.....	.....	
⚠	T751 Power transformer	ATT1011	.....	.....	
	C153,C154	CQMA152J50	CQMA152J50	CQMA122J50	
	C165,C166	.....	.....	CKCYB331K50	
	C401,C402,C407,C408	CKDYF103Z50	CKDYF103Z50	.....	
	C403	CKDYB332K50	CKDYB332K50	.....	
	C404,C410	CEAS4R7M50	CEAS4R7M50	.....	
	C406	CKDYB331K50	CKDYB331K50	.....	
	C409	CEAS470M25	CEAS470M25	.....	
	C621,C622	CEAS2R2M50	CEAS2R2M50	.....	
	C701,C702 (6800μF/DC63V)	ACH1137	ACH1137	.....	
	C701,C702 (4700μF/DC50V)	.....	.....	ACH-252	
	C751 (0.01μF/150V)	ACG1005	.....	.....	
	C752	CEAS471M25	.....	.....	
	C753	CEAS470M10	.....	.....	
⚠	C754 (0.01μF/125V)	ACG1003	.....	.....	
	R401,R402,R405,R406	RD1/8PM104J	RD1/8PM104J	.....	
	R403	RD1/8PM682J	RD1/8PM682J	.....	
	R404	RD1/8PM912J	RD1/8PM912J	.....	
	R408,R409	RD1/8PM105J	RD1/8PM105J	.....	
⚠	R511,R512	.....	.....	RD1/8PM272J	
	R513-R516	RD1/8PM391J	RD1/8PM391J	.....	
	R517,R518	RD1/8PM103J	RD1/8PM103J	.....	
	R521,R522	RD1/4PM432J	RD1/4PM432J	RD1/4PM562J	
⚠	R608	RS2LMF152J	RS2LMF152J	RS2LMF911J	
	R610	.....	.....	RD1/4PMF100J	

	R621,R622	RD1/8PM472J	RD1/8PM472J	.....	
	R623,R624	RD1/8PM153J	RD1/8PM153J	.....	
	R625	RD1/4PMF101J	RD1/4PMF101J	.....	
	R703	RS2LMF182J	RS2LMF182J	RS2LMF122 J	
	R705	RS2LMF152J	RS2LMF152J	RS2LMF821J	
	R751	RD1/2PM821J	.....	.....	
	R752	RD1/2PM470J	.....	.....	
	R753,R756	RD1/8PM102J	.....	.....	
	R754	RD1/8PM224J	.....	.....	
	R755	RD1/8PM223J	.....	.....	
	Mini jack 2P (SR REMOTE)	AKN1006	.....	.....	
	Mini jack (MULTI ROOM REMOTE)	AKN1020	.....	.....	
⚠	AC outlet 3P	AKP1053	.....	.....	
⚠	AC outlet 1P	.....	AKP1054	AKP1054	

CONTROL assembly (AWZ2598 and AWZ2602)

The CONTROL assembly (AWZ2598 and AWZ2602) is the same as the CONTROL assembly (AWZ2593) with the exception of the following sections

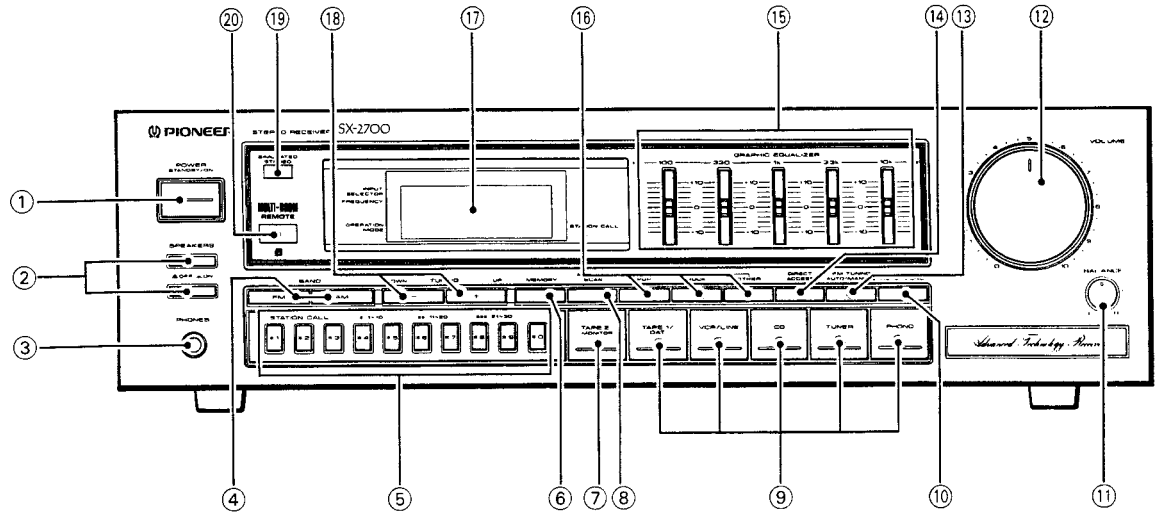
Mark	Symbol & Description	Part No.			Remarks
		AWZ2593	AWZ2598	AWZ2602	
	Q802,Q803	2SC1740SLN	.....	.....	
	D802	HSS104−02	.....	.....	
	S831 Power switch	ASG1034	.....	.....	
	S832 (SIMULATED STEREO)	ASG1034	ASG1034	.....	
	C341,C342	CEJA100M25	CEJA100M25	.....	
	R350	RD1/8PM681J	RD1/8PM681J	.....	
	R811,R812	RD1/8PM472J	.....	.....	
	R820	RD1/8PM472J	RD1/8PM472J	.....	
	VR301 (100k×2)	.....	ACT1040	ACT1040	
	VR311−VR315 (30k×2)	ACU1023	ACU1023	ACU1020	
	Remote control sensor unit	AXX1010	.....	.....	

SP SWITCH assembly (SX-2600/KUC and SX-1700/KUC types)

SP SWITCH assembly (SX-2600/KUC and SX-1700/KUC types) is the same as the SP SWITCH assembly (SX-2700/KUC type) with the exception of the following sections.

Mark	Symbol & Description	Part No.			Remarks
		SX-2700 /KUC type	SX-2600 /KUC type	SX-1700 /KUC type	
⚠	S1 Power switch	.....	ASG1027	ASG1027	
⚠	C1 (0.01μF/125V)	.....	ACG1003	ACG1003	

8. PANEL FACILITIES



① POWER (STANDBY/ON) switch

- The accessory remote control unit can also be used to operate STANDBY/ON and SLEEP function of this switch.
- The POWER switch selects the transformer secondary even in STANDBY position. The unit circuitry will work as long as the power cord is connected to a wall socket.
- When not using the unit for a long period, disconnected the power cord.

NOTE:
When the power is initially turned ON, muting will be applied to prevent sound from being output for about 5 seconds.

② SPEAKERS switches (■ OFF, ▬ ON)

These are used to select the speaker through which you wish to listen.
A: When the speakers connected to A terminals are in use.
B: When the speakers connected to B terminals are in use.

- Turn both A and B speakers to OFF position when only the HEADPHONES are in use.

NOTE:
No sound will be heard through the speakers when both A and B switches are depressed if only one set of speakers has been connected to either A or B SPEAKERS terminals.

③ PHONES jack

Connect the plug on your headphones to this jack. To listen to a program through the headphones, set both SPEAKERS A and B switches to the OFF position.

④ BAND Selector switches

These switches are used to select either AM or FM reception.
AM: Push this switch for AM reception.
FM: Push this switch for FM reception.

⑤ STATION CALL switches

These switches are used to preset and recall desired broadcasting stations.

⑥ MEMORY switch

When the unit is in the frequency display mode, pressing this switch will result in the memorization of the current broadcast band, reception frequency, and FM AUTO/MONO mode.
This switch is also used to input custom memory names.

⑦ TAPE 2 MONITOR switch

Press when listening to tape playback with the cassette deck 2.

⑧ SCAN switch

This switch is used for both station memory scan and custom memory scan.

⑨ Function switches

Use to select playback source.
[TAPE 1 /DAT] — Press when listening to tape playback with the cassette deck 1 or digital audio tape deck.
[VCR/LINE] — Press when listening to programs from a component connected to the VCR/LINE terminals.
[CD] — Press when listening to compact disc playback with a CD player.
[TUNER] — Press when listening to AM or FM broadcasts with a tuner.
[PHONO] — Press when listening to record playback on a turntable.

⑩ FM MODE AUTO/MONO selector switch

Use to select the auto stereo mode or monaural mode when listening to FM broadcasts. The monaural mode has been selected when the FM MONO indicator is lighted.
Auto stereo mode:
Normally leave in this mode for reception. When a stereo FM broadcast is received, it will be automatically reproduced in stereo sound.
Monaural mode:
When receiving distant stations or stations with weak broadcast signals, the input signal may be weak, thus resulting in increased noise during FM stereo broadcasts. In this event, setting the receiver to the monaural mode will reduce the noise. In this case, however, FM stereo broadcasts will be reproduced in monaural sound.

NOTE:
This switch has no effect on reception of AM broadcasts.

⑪ BALANCE control

Should normally be left in the center position. Adjust balance if the sound is louder from one of the speakers. If the right side is louder, turn toward the L position and if the left side is louder, turn toward the R position.

⑫ VOLUME control

Use to adjust volume level.

⑬ FM TUNING AUTO/MANUAL switch

Works during FM reception.
Use this switch to select either the AUTO mode or the MANUAL mode.
When the "AUTO" indicator is lit, the receiver is in the AUTO mode.

⑭ DIRECT ACCESS tuning switch

When this switch is pressed, the STATION CALL switches function as ten-key number switches for direct input of the desired reception frequency. Press again to cancel this mode.
If the input station falls outside of the receiver's tuning range, the display section will display a message: "UPPER" if the frequency is too high and "LOWER" if it is too low.

⑮ GRAPHIC EQUALIZER controls

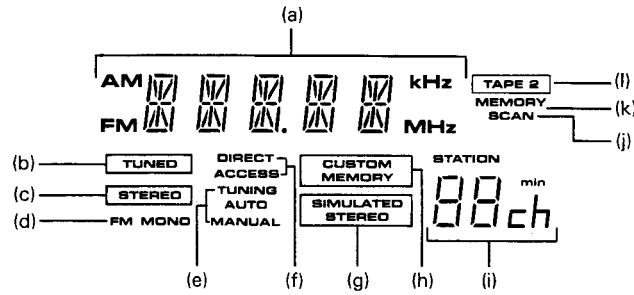
The equalizer is divided into five frequency ranges (100 Hz, 330 Hz, 1 kHz, 3.3 kHz, 10 kHz) to tailor music to the individual taste of the listener.

⑯ CUSTOM MEMORY switches

Stations can be assigned to STATION CALL switches according to the genre of material broadcast (ROCK, POP, OTHER). You can recall a particular genre, and scan all the stations of that genre with Memory Scan unit you reach the desired one.

⑰ OPERATION DISPLAY panel

(a) Indicates the function or frequency by the function switches.
(b) TUNED indicator
(c) FM STEREO indicator
(d) FM MONO indicator
(e) TUNING AUTO/MANUAL indicator
(f) DIRECT ACCESS tuning indicator
(g) SIMULATED STEREO indicator
(h) CUSTOM MEMORY indicator
(i) Indicates channel, STATION CALL number or sleep time.
(j) SCAN indicator
(k) MEMORY indicator
(l) TAPE 2 monitor indicator.



⑱ TUNING switches (DOWN, UP)

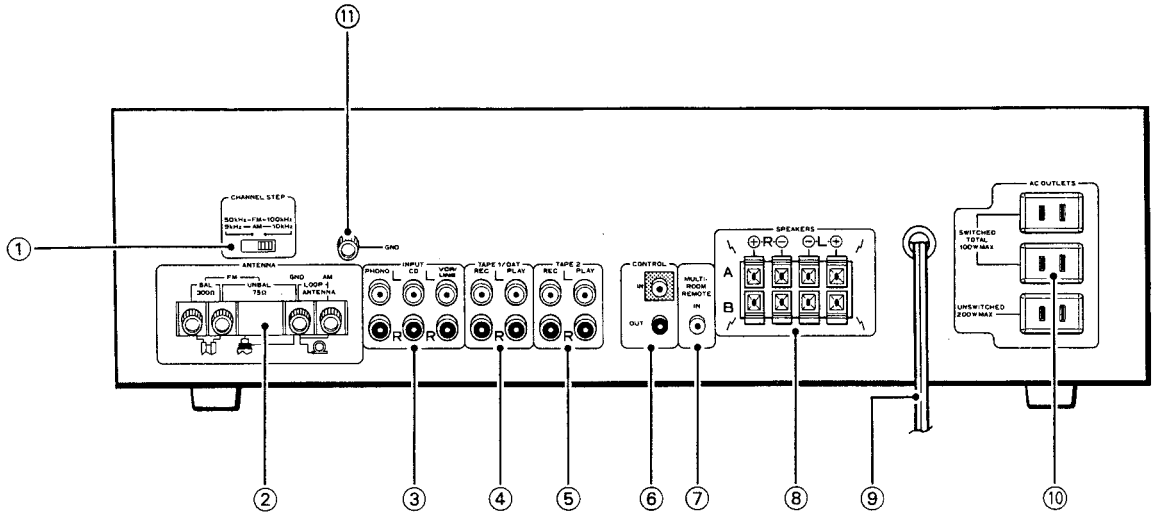
UP: The FM or AM band is scanned in the direction of increasing frequency.
DOWN: The opposite operation to that of the UP switch takes place.

⑲ SIMULATED STEREO switch

This turns monaural signals into simulated stereo sound. Use this when you wish to experience the sense of stereo presence with AM broadcasts, VCR or other monaural signal sources.

NOTE:
This function can also be used with stereo sources, but it will result in a different sound from the normal stereo sound.

⑳ Remote sensor window



① CHANNEL STEP switch

② FM/AM ANTENNA terminals

Use these antenna terminals for receiving FM and AM broadcasts.

③ INPUT jacks

PHONO...Connect to the output cables from a turntable.
CD...Connect to the output jacks of a compact disc player.
VCR/LINE ... Connect to the output jacks of a video cassette recorder, etc.

④ TAPE 1/DAT jacks

Connect these jacks to the cassette deck or digital audio tape deck.

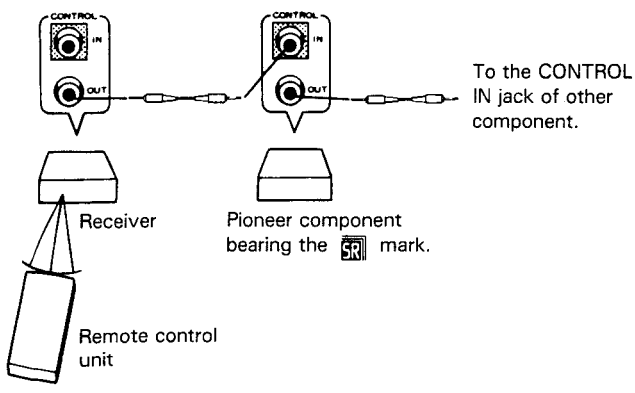
⑤ TAPE2 jacks

Connect these jacks to the cassette deck.

⑥ CONTROL IN/OUT jacks

IN: Connect this jack to other Pioneer components when using those components to control this unit.
OUT: Connect this jack to other Pioneer components when using the remote control of this unit to control the other components.

NOTE:
The receiver's remote sensor does not function when a plug is inserted in the IN jack. To operate, point the remote control unit at the remote sensor on the component to which the receiver's IN jack is connected.



⑦ MULTI-ROOM REMOTE IN jack

Connect the adaptor (MR-100, sold separately) to this Multi-Remote IN jack. You can operate the unit by remote control through the adaptor. It is convenient when the unit is located in a separate room.

⑧ SPEAKERS terminals

A: Connect to a first set of speakers.
B: Connect to a second set of speakers.

NOTE:
No sound will be heard through the speakers when both A and B switches are depressed if only one set of speakers has been connected to either A or B SPEAKERS terminals.

⑨ Power cord

⑩ AC OUTLETS

⑪ GND terminal

Connect to the ground lead of a turntable.

9. SPECIFICATIONS

Amplifier Section

Continuous Average Power Output is 65 watts* per channel, min., at 8 ohms from 20 Hertz to 20,000 Hertz with no more than 0.07 % total harmonic distortion.**

Continuous Power Output (both channel driven)**
20 Hz – 20 kHz, T.H.D. 0.07 %, 8 Ω ..... 65 W + 65 W
Dynamic power output (with EIA test signal)
2/4/8 Ω ..... 145 W/130 W/90 W
Total Harmonic Distortion**
1 kHz, 65 W, 8 Ω ..... 0.01 %
Input (Sensitivity/ Impedance)
PHONO ..... 2.5 mV/47 kΩ
CD, VCR/LINE, TAPE 1/DAT, TAPE 2 ..... 150 mV/22 kΩ
Phono Overload Level (T.H.D. 0.01 %, 1,000 Hz)
PHONO ..... 130 mV
Output Level
TAPE REC ..... 150 mV/2.2 kΩ
Frequency Response
PHONO (RIAA Equalization) ..... 20 Hz to 20,000 Hz ±0.5 dB
CD, VCR/LINE, TAPE 1/DAT, TAPE 2 ... 10 Hz to 70,000 Hz $^{+0.5}_{-3.0}$ dB
Signal-to-Noise Ratio (IHF, short circuited, A network)
PHONO ..... 72 dB
CD, VCR/LINE, TAPE 1/DAT, TAPE 2 ..... 96 dB
Graphic Equalizer frequency band ..... 100 Hz, 330 Hz, 1 kHz, 3.3 kHz, 10 kHz, ±8 dB

FM Tuner Section

Frequency range ..... 87.5 MHz to 108 MHz
Usable Sensitivity ..... 10.8 dBf, IHF (0.95 μV/75 Ω)
50 dB Quieting Sensitivity
MONO ..... 15.3 dBf (1.6 μV/75 Ω)
STEREO ..... 37.1 dBf (19.5 μV/75 Ω)
Signal-to-Noise Ratio
MONO ..... 78 dB (at 85 dBf)
STEREO ..... 75 dB (at 85 dBf)
Distortion
STEREO ..... 0.3 % (1 kHz)
Alternate Channel Selectivity ..... 55 dB (400 kHz)
Stereo Separation ..... 35 dB (1 kHz)
Frequency Response ..... 30 Hz to 15 kHz (±1 dB)
Antenna Input ..... 300 Ω balanced, 75 Ω unbalanced

AM Tuner Section

Frequency range, when ..... 530 kHz to 1,700 kHz

Sensitivity
IHF, Loop antenna ..... 300 μV/m
Selectivity ..... 20 dB
Signal-to-Noise Ratio ..... 50 dB
Antenna ..... AM Loop Antenna

Miscellaneous

Power Requirements
U.S., Canadian model ..... AC 120 Volts, 60 Hz

Power Consumption
U.S., Canadian models ..... 250 W (UL), 335 VA (CSA)

Dimentions ..... 420 (W) X 120 (H) X 337 (D) mm
16-9/16(W) X 4-3/4 (H) X 13-9/32 (D) in
Weight (without package) ..... 6.8 kg (15 lb)

Furnished Parts

FM T-type Antenna 1
AM Loop Antenna 1
Remote control unit 1
Dry cell battery (size "AAA" (R03/UM-4)) 2
Operating Instructions 1

** Measured pursuant to the Federal Trade Commission's Trade Regulation rule on Power Output Claims for Amplifier.*

*** Measured By Audio Spectrum Analyzer.*

NOTE.
Specifications and design subject to possible modification without notice due to improvements.